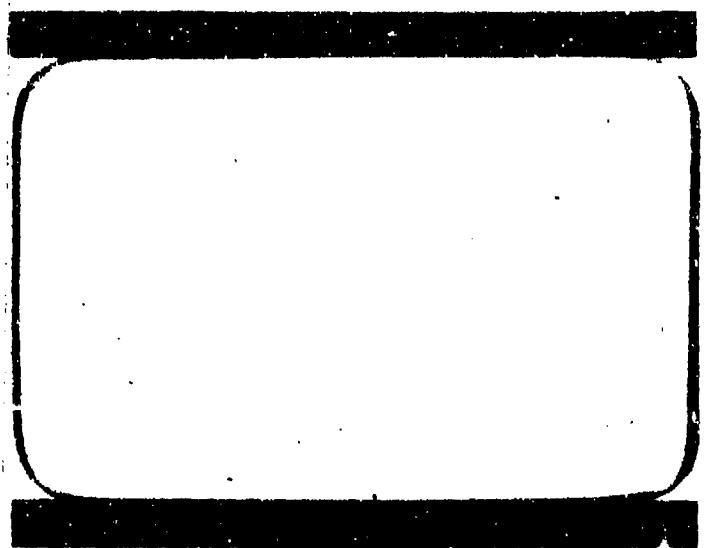


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AUXILIARY POWER SOURCE

GUIDANCE

AIRBORNE

DIFFICULTIES REVIEWS

VOLUMES II, IV & VI

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DIFFICULTIES REVIEW ATLAS BOOSTER
AIRBORNE AND GROUND SUPPORT SYSTEMS.

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Approved by

B. B. Shaffer

Chief of reliability Engineering

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- VOLUME VII HYDRAULICS
- VOLUME VIII INSTRUMENTATION
- VOLUME IX PNEUMATICS
- VOLUME X PROPELLANT UTILIZATION
- VOLUME XI PROPULSION INTERFACE
- VOLUME XII PROPULSION
- VOLUME XIII RANGE SAFETY COMMAND

*VOLUMES II, V AND VI UNDER ONE COVER.

GENERAL INFORMATION

The Difficulties Review encompasses problems gathered from the factory, the field, (ETR and WTR) and UTP. The factory difficulties are limited to "selloff" and rerun composite testing.

In the UTP area, the difficulties were excerpted from Central Test Control Reports, Problem Reports, Supplementary History Sheets and Problem Review Reports.

Field problems for the Difficulties Review have been limited to captive flights, flight readiness firings, actual countdown dual propellant loading, quad tanking, component reliability testing, and flight acceptance composite tests. Difficulties called out in the search for critical weakness program was not documented.

GSE problems shall be limited to ETR Complex 12, 13, 36A and 36B for the present edition. Hereafter only booster difficulties shall be maintained.

Failure analysis reports cover difficulties from the field and factory and may complement the information above.

The GSE Difficulties Review, Book 1 contains 14 Volumes, one volume for each system, under one cover. Each volume is appropriately indexed.

The Airborne Difficulties Review, Book 2 contains 13 volumes. Each volume is under separate cover except Volumes II, IV and VI. Volumes II, IV, and VI are under one cover because of the limited material contained in each volume. All volumes are appropriately indexed.

A guide to facilitate interpretation of data in the Difficulties Review (GSE and Airborne) is part of each book or volume.

GENERAL DYNAMICS
Convair Division

Subject: Explanatory Information For Use of Difficulties Review (DR)
Data Tab Runs

This information has been prepared to facilitate use of the DR. It is not intended to describe how the DR was prepared nor the scope of the existing effort.

The Difficulties Review (DR) is presented on a form compatible with automated data processing and printout.

Appearing at the top of the page (outside of blocked-in areas) is the identification of the system and whether it is Airborne or Ground Support Equipment. Appearing with this identification is the date of the document and the page number.

On the right hand side outside of the blocked area, appears the abstract number. An abstract number is assigned to each item of the Difficulty Review to facilitate traceability to the original input document.

Appearing under the major identification are blocks wherein the information on component or system difficulty is identified and explained. Attached are samples of pages coded for reference to the following definitions and explanations:

<u>CODE</u>	<u>EXPLANATION</u>
1	This group of blocks callout <u>system</u> , <u>subsystem</u> , <u>test/report number</u> , <u>failed component name</u> , <u>difficulty (Dif)</u> <u>data source</u> , and <u>GDC part number</u> if applicable. Also called out here is the <u>vehicle number</u> , if applicable, and the <u>date of difficulty</u> . In the same row, the <u>site</u> location, and in case of a flight, captive flight, or countdown, the time will be entered.
	The block containing PRI and OTH refer to whether or not the failure is <u>primary</u> or a <u>secondary</u> failure. A secondary failure is to be interpreted as caused by another discrepancy.
	The last block in this row is obvious and requires no further explanation:
2	Refers to a major system of the launch vehicle.
3	Refers to subsystem of a major vehicle system if applicable, (Booster, sustainer, etc).

GENERAL DYNAMICS

Convair Division

CODE

EXPLANATION

- (4) Is a report number as opposed to type of report, (UTP, Countdown, Flight, FAR, etc.).
- (5) Is a type of report, such as a FAR, UTP, FRF, etc.
- (6) Refers to a component part by name.
- (7) Is a component piece part of the component and referred to by name, (plug, seal, wiring, diode, etc., only where applicable).
- (8) Is a GDC part number, if applicable.
- (9) Refers to a site or location at time of discrepancy on the component or vehicle system.
- (10) Is the vehicle on which discrepancy occurred. Vehicle number listed only if unit was installed on a vehicle at time of discrepancy.
- (11) Is the vendor part number, if applicable.
- (12) Is the vendor name, if applicable.
- (13) Is the failure caused by other component or other system. This item defines the failure as secondary or not secondary.
- (14) Refers to the primary failure. If item is labeled no, then item (13) may appear as a yes.
Should item (13) appear as a yes, then an abstract will have been written to identify the cause of failure affecting the component referred to in the Difficulty Review, Item 6. It should be noted that a multiple failure may be recorded in these blocks, (yes/yes), or if a failure did not occur, (no/no).
- (15) Defines the failure mode, and if identifiable, the cause is called out. A careful review of the failure mode is made to determine effect on system operation and vehicle effort.

GENERAL DYNAMICS

Convair Division

CODE

EXPLANATION

(16)

Defines the system effect. This effect is the result of the failure mode assigned to the component.

(17)

Defines the vehicle effect. This effect is a result of the failure mode and the result of the system effect.

It should be noted that corrective action may be taken whether or not the failure was confirmed.

(18)

Lists the corrective action. Taken by GDC, the vendor, or both.

1	GENERAL STATUS COMM-FIRE	PAGE 0011	17 Feb 1998
2	TEST REPORT NUMBER FALCON	01474524-A	NO REPORT
3	TEST REPORT NUMBER S145171	01474524-A	NO REPORT
4	TEST REPORT NUMBER 87-0606-1	01474524-A	NO REPORT
5	TEST REPORT NUMBER 87-0866-1	01474524-A	NO REPORT
6	TEST REPORT NUMBER 87-0866-1A	01474524-A	NO REPORT
7	TEST REPORT NUMBER 87-0866-1B	01474524-A	NO REPORT
8	TEST REPORT NUMBER 87-0866-1C	01474524-A	NO REPORT
9	TEST REPORT NUMBER 87-0866-1D	01474524-A	NO REPORT
10	TEST REPORT NUMBER 87-0866-1E	01474524-A	NO REPORT
11	TEST REPORT NUMBER 87-0866-1F	01474524-A	NO REPORT
12	TEST REPORT NUMBER 87-0866-1G	01474524-A	NO REPORT
13	TEST REPORT NUMBER 87-0866-1H	01474524-A	NO REPORT
14	TEST REPORT NUMBER 87-0866-1I	01474524-A	NO REPORT
15	TEST REPORT NUMBER 87-0866-1J	01474524-A	NO REPORT
16	TEST REPORT NUMBER 87-0866-1K	01474524-A	NO REPORT
17	TEST REPORT NUMBER 87-0866-1L	01474524-A	NO REPORT
18	TEST REPORT NUMBER 87-0866-1M	01474524-A	NO REPORT

17 Feb 1964

GENERAL ELECTRIC
COMPANY LTD

CIRCUIT TESTS HYDRAULIC SYSTEM-ALIOME

TEST 2902									
SYSTEM EFFECT-SYSTEM	TEST/REPORT NUMBER / FAILED COMPONENT NAME	816 DATA SOURCE PART NUMBER	VEHICLE DATE OF	TIME OF					
CORRECTIVE ACTION-BOOSTER HYDRAULIC FILL AND BLEED PREPARED.									
HYDRAULIC-A/B BOOSTER									
	STANAG 7190-01-01-0005	COMPOSITE-100% PPL	1510	300	NO	NO	NO	NO	NO
			090713						
FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. TEST WAS RUN WITHOUT BOOSTER HYDRAULICS BECAUSE BOOSTER WAS COULD NOT BE OPERATED REMOTELY. THIS WAS NOTED DURING AUTOPilot FINAL CHECKS.									
SYSTEM EFFECT-OPERATION DOES NOT START.									
VEHICLE EFFECT-NONE.									
CORRECTIVE ACTION-BOOSTER HYDRAULIC VALVE, MICROSWITCHES VS AND VI ADJUSTED TO NAME WIPER CONTACT.									
	HYDRAULIC-A/B BOOSTER	8PC/8AFP95-008/01-001-00-09	FLIGHT	200	9-1	YES	NO	NO	NO
			090701						
FAILURE MODE-LEAK. 81 HYDRAULIC ACCUMULATOR PRESSURE EXHIBITED NO PRESSURE DIFFERENCE DURING THE OIL EVACUATION SEQUENCE.									
SYSTEM EFFECT-Possible contamination. Although the failure mode indicates the possibility of air in the booster hydraulic system, system performance was satisfactory.									
VEHICLE EFFECT-NONE.									
CORRECTIVE ACTION-HYD. THE POSSIBILITY OF CONTAMINATION WAS NOT COMPROMISED BY ANY OTHER TELEMETRY DATA.									
	HYDRAULIC-A/B BOOSTER	8PC/8AFP95-008/02-001-00-177	FLIGHT	1770	8-2	NO	NO	NO	NO
			090603						
FAILURE MODE-FAIL OR TOLERANCE. BOOSTER HYDRAULIC PRESSURE, MEASURED INPS, WAS LOWER THAN INITIAL PRESSURE BUT TO A LOWER (3190 PSI) THAN NORMAL (3390 PSI) AT 8.3 SEC. THE PRESSURE THEN DECREASED TO 3190 PSI DURING NEXT 1.3 SEC. SPECIFIC CAUSE UNKNOWN BUT SYMPTOMATIC OF UNINTENTIONALLY HEAVILY BRAKING ON BRAKE.									
SYSTEM EFFECT-OPERATION TOO LOW. BOOSTER HYDRAULIC PRESSURE, LOWER THAN NORMAL FOR A TIME PERIOD OF -8.3 SEC TO 1.3 SEC									
C. NO SUBSEQUENT EFFECT NOTED ON SYSTEM PERFORMANCE.									
VEHICLE EFFECT-NONE.									
CORRECTIVE ACTION-HYD.									
	HYDRAULIC-A/B BOOSTER	8PC/8AFP95-008/01-001-00-09	FLIGHT	1707	8-4	YES	NO	NO	NO
			090610						

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**ABORT SENSING
AND
IMPLEMENTATION SYSTEM
AIRBORNE
DIFFICULTIES REVIEW**

DIFFICULTIES REVIEW ASIS SYSTEM AIRBORNE

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SPECIAL DYNAMICS

NIH LIBRARY

SYSTEM S&S-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE PART NUMBER	VEHICLE DATE EIP	SITE TIME DIF	PRI CMM	VEHICLE NAME VEHICLE PART NO
ASIC-A/B	ME-09-04-3416P TRANSDUCER-FUNCTIONAL	4-AB 87-1111-035	1445 000400	FACTORY NO	NO	00783

FAILURE MODE-OUT OF SERVICE. TAN-1 AND TAN-2 CERAMIC DETECTORS COULD NOT BE CALIBRATED TO ACUITYL. AN INCORRECT TEST PROCEDURE AND INEFFECTIVE RANGE SETTING CAUSED THE FAILURE.

EFFECTIVE ACTION AND ESTIMATION VIA VARIOUS CHANGES

ASIS-278

44-38-04-2418-F
TRANSDUCER-FUNCTIONAL

PAR 27-1111-035
1000 880410 ETR NO
ON

FAILURE MODE-OUT OF TOLERANCE. THE P-3 AND Y-2 CEREBRATE DETECTOR FREQUENCY RESPONSE WAS EFFECT ABOVE NORMAL. AN INCORRECT TEST PROCEDURE AND INADEQUATE RANGE OF SELECTED RESISTORS CAUSED THE UNIT TO BE CALIBRATED INCORRECTLY.

FAILURE MODE-OUT OF TOLERANCE. THE P-8 AND Y-8 CIRCUIT DETECTOR FREQUENCY RESPONSE WAS REPORTED AS NORMAL. NO INCORRECT TEST PROCEDURE OR INSUFFICIENT NUMBER OF TESTED INDIVIDUALS CAUSED THE HIGH FAILURE RATE.

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6976-1

A913-A9	16-99-24-3220-F TRANSFORMER	P&R 27-11111-835	1300 630827	FACTORY NO	YES
---------	--------------------------------	---------------------	----------------	---------------	-----

FAILURE MODE-OUT OF TOLERANCE. SECONDARY VOLTAGES OF TRANSFORMER T-2 WERE REPORTEDLY UNBALANCED. INHOPPER NUMBER OF TURNS IN T-2 CAUSED UNBALANCE.

FAILURE MODE-OUT OF TOLERANCE. SECONDARY VOLTAGES OF TRANSFORMER T-2 WERE REPORTEDLY UNBALANCED. INCHER NUMBER OF ITEMS IN T-2 CAUSED UNBALANCE.

CORRECTIVE ACTION-VENDOR NOTIFIED AND REGENERATED TO REVIEW MANUFACTURING TECHNIQUES, INFECTION RISKS, INFECTION PROGRESSION, PROCESS FOR COUNTING NUMBER OF TUBES, AND TAKE CORRECTIVE ACTION AS APPROPRIATE.

FAILURE MODE-CONTAMINATION, CAUSED BY RESIDUE THAT WAS FOUND IN A CITRIC-ACID RING FOLLOWED BY SODA WASHES OF THE ELEMENT

AS15-AS
CONT. BOX, DIGEST
H-15-14-3130P
FAR 1111-98
1300 060117
FACTORY YES
NO

CORRECTIVE ACTION-THE CITRIC ACID RINSE WAS REPLACED BY DISTILLED WATER TO ELIMINATE RESIDUE RESULTING FROM REACTION
IN BETWEEN THE CITRIC ACID AND BODA.

CORRECTIVE ACTUARIE CITRIC ACID RING WAS REPLACED BY VITAMIN C TO ELIMINATE RESIDUE RESULTING FROM RELAC 10
BETWEEN THE CITRIC ACID AND BOBA.

GENERAL DYNAMICS
COMPAINE DIVISION

19 JUN 1986

DIFFICULTIES REVIEW-A515-A/B/C

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE PART NUMBER	VEHICLE	SITE	PRI	VENOR NAME PART NO
CORRECTIVE ACTION-REQUESTS FOR IMPROVEMENT IN DiODE EVACUATING CAPABILITY WERE FORWARDED TO THE VENDOR OF THE FAILING DIODE. VENDOR REPLIED DiODE INTERIOR EVACUATING DiODE IMPROVED.						
A515-A/B	EG-90-24-3031F ABORT SENSING CONTROL UNIT/CONNECT 27-11111-635	FAR 27-11111-635	821004	FACTORY TEST NO	0000234	00000000000000000000000000000000
FAILURE MODE-SHORT EFFECT: THE UNIT WAS REJECTED FOR BURNT PIN ON THE J-9 CONNECTOR. BECAUSE PIN # WAS BENT TOWARD THE SHELL, CONNECTION OF THE CABLE TO THE PLUG WITH VOLTAGE ON THE CABLE CAUSED A SHORT CIRCUIT BETWEEN PT# R AND THE SHELL. THE BENT PIN ALSO KEPT PIN 3 FROM HAVING GOOD CONTACT AND CAUSED IT TO BURN.						
A515-A/B	EG-90-24-3031F ABORT SENSING CONTROL UNIT	FAR 27-11111-635	800222	ETR NO	0000237	00000000000000000000000000000000
FAILURE MODE-OUT OF TOLERANCE: THE TURN-OFF RATE IN THE REDUNDANT ROLL CHANNEL REQUIRED TO CAUSE ABORT WAS FOUND TO BE MORE THAN 3 PERCENT BELOW NOMINAL. THIS APPEARS TO HAVE BEEN CAUSED BY CONNECTING THE RI GTR TO BOTH OVERSTATE OR TECTORS.						
A515-A/B	HO-90-24-30101 ABORT SENSING CONTROL UNIT	FAR 27-11111-635	800222	ETR NO	0000238	00000000000000000000000000000000
CORRECTIVE ACTION-PROCEDURE 27-91945 BR 1 HAS CHANGED TO DETECT ERRORS OF THIS NATURE. THE TEST SET HAS CHANGED TO FACILITATE DETECTING A RECONNECTION.						
A515-A/B	HO-90-24-30177 ABORT SENSING CONTROL UNIT	FAR 27-11111-635	800222	FACTORY TEST NO	0000239	00000000000000000000000000000000
FAILURE MODE-FAIL DURING OPERATION: DURING MARRIAGE TESTS THE ABORT VOLTAGE LEVEL VARIED; ADJUSTMENT COULD NOT BE MADE DUE TO EXTREME SENSITIVITY. THE RESET REMAINED AT AN UNDESIREDLY LOW LEVEL. FAILURE ANALYSIS FOUND A FAULTY TRAIN PCT. FAILURE WAS CAUSED BY SOLDER BALL IN ETR0 CAUSING STICKTION AND FAULTY TRAIN POT OF UNIT.						
A515-A/B	HO-90-24-30177 ABORT SENSING AND CONTROL UNIT-ETR	FAR 27-11111-635	800222	FACTORY TEST NO	0000240	00000000000000000000000000000000
FAILURE MODE-ERRATIC OPERATION: THE ROLL RATE CHANNEL 1 FAILURE RESULTED FROM A SOLDER BALL IN THE ROLL RATE BYRC C AMPLIFIER. POSSIBLY A DEFECTIVE TRIM POT CONTRIBUTED TO THE ERRATIC OPERATION.						
CORRECTIVE ACTION-THE VENDOR CHANGED WIRE MATERIAL AND INCREASED THE NUMBER OF PICCOFF POINTS. THE VEND WROTE THAT CHANGES IN SOLID WIRE METHODS AND QUALITY CONTROL PRACTICES TO PRECLUDE THE INCIDENCE OF SOLDER BALLS.						

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GENERAL SYSTEMS

15 JUN 1968

BIPOLAR/TIIS REVISED-A113-A100C

STATCH SIC-1 SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	SIC BATT SOURCE PART NUMBER	WAVEFORM DATE SIP	SIZE 11126 SIP/100	SIZE 11126 SIP/100	WAVEFORM PART NO
A113-A/8	HE-90-24-205P CONTROL UNIT 1 TRANSISTOR	FAR 27-11111-035	000010 000010	678 60	678 60	000117
FAILURE MODE-FAILED TO OPERATE AT THE PRESCRIBED TIME. THE UNIT WAS TESTED AND FOUND TO BE INOPERATIVE. SIX TRANSISTORS HAD OPEN EMITTERS AND PERHAPS OTHERS WERE DAMAGED DUE TO INCORRECT APPLIED VOLTAGE BECAUSE OF A REHEATED JUNCTION ON BOX.						
CORRECTIVE ACTION-NONE.						
A113-A/8	HE-90-24-205P ASCRIT 200116 CONTROL UNIT 1	FAR 27-11111-035	000010 000010	678 60	678 60	000117
FAILURE MODE-FAILED DURING OPERATION DUE TO ELECTRICAL SHORT IN J-BOX 27-03524-3 WIRES TO P226 R AND 1 IN P118 PG M ONE REVERSED.						
CORRECTIVE ACTION-NONE. THIS WAS CONSIDERED A SECONDARY TYPE FAILURE.						
A113-A/8	HE-90-24-205P CONTROL UNIT DIODE	FAR 27-11111-035	000017 000017	FACTORY 703	FACTORY 703	000117
FAILURE MODE-OUT OF TOLERANCE. AN OUT OF TOLERANCE SIGNAL WAS SENT IN ERROR. THIS WAS DUE TO SHORTED DIODS ON 10001 WIRES: ON PANEL A1 OF MODULE A7.						
CORRECTIVE ACTION-THE VENDOR HAS RECOMMENDED THE USE OF AN ALTERNATE DIODE 111N 2035 (1) AS A REPLACEMENT.						
A113-A/8	HE-90-24-205P ASCRIT 200116 CONTROL UNIT 1	FAR 27-11111-035	000017 000017	FACTORY 703	FACTORY 703	000117
FAILURE MODE-OUT OF TOLERANCE. DUE TO DEFECTIVE CRIMES IN MODULE A7.						
CORRECTIVE ACTION-CHECK OUT PROCEDURE 27-01044 WAS CORRECTED TO INSURE ALL PRESSURE SWITCHES ARE NOT TURNED ON/125 C COMPONENT TESTING EFFECTIVE AUG. 17, 1968. ECN 10014 DICKE SWIHS NO LONGER MANUFACTURED. NO CORRECTIVE ACTION NECESSARY AT 1.						
A113-A/8	HE-005017C-ACD-09-115 ASCRIT 200116 CONTROL UNIT 1	COMPOSITE-FACTORY 27-11111-035	1120 000116	FACTORY 703	FACTORY 703	000117
FAILURE MODE-PREMATURE OPERATION. BOOSTER AMPLIFIER AND PLIANT LOCK-IN SIGNALS WENT ON SPONTANEOUSLY AT 7-9 MINUTES S. THE CAUSE OF THIS INADEQUACY COULD NOT BE DETERMINED AND NUMBEROUS REPEATS FAILED TO DUPLICATE THE CONDITION SYSTEM EFFECT-NONE.						

13 Jun 1986

GENERAL DYNAMICS
COMSAT DIVISION

DIFFICULTIES REVIEW-ASIS-AIRCONE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIP DATA SOURCE PART NUMBER	VEHICLE DATE DIP TIME	SITE DIP TIME	PRI CIR	TESTER NAME TESTER PART NO	EFFECTS
VEHICLE EFFECT-COMPOSITE RESCHEDULED. RERUN OF COMPOSITE MODE. SYSTEM IMPACTED SATISFACTORILY.							
CORRECTIVE ACTION-NOT NEEDED.							
ASIS-A/2	A92-0026/ASIS1-0-1-1137PC-400-04 - COMPOSITE-FACTORY 1138 113 ABORT SEQUENCING CONTROL UNIT	COMPOSITE-FACTORY 063627	FACTORY NO NO	063627	NO	NO	093437
FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. THE MANUAL RESET DIAL ON THE TEST SEQUENCER WAS NOT RESET BEFORE A TART OF THE COMPOSITE TEST. AS A RESULT, THE ENTIRE ASIS PROGRAM WAS INCORRECT.							
SYSTEM EFFECT-OPERATION DOESNT START- FAILED TO RESET THE MANUAL RESET BEFORE TEST START- SEQUENCER DID NOT PROGRAM VEHICLE EFFECT-COMPOSITE RESCHEDULED- RERUN OF COMPOSITE REINITED.							
CORRECTIVE ACTION-OPERATOR ERROR- EQUIPMENT RESET AND TEST REINIT.							
ASIS-A/2	A-99-24-2027 RELAY	FAR 063625	FACTORY YES HART NO	063625	NO	NO	093525
FAILURE MODE-FAIL DURING OPERATION. THE RELAY CONTACTS BETWEEN TERMINALS 5 AND 7 WERE REPORTEDLY FOUND OPEN.							
CORRECTIVE ACTION-NONE. FAILURE WAS NOT CONFIRMED.							
ASIS-A/2	HG-99-24-2027 ABORT SEQUENCING CONTROL UNIT	FAR 27-11111-935	063625 ETR	YES 60/C NO	NO	NO	090731
FAILURE MODE-OUT OF TOLERANCE. DURING CHECK IN THE GYRO LAB, THE DELAY OPERATION ABORT SIGNAL MEASURED 2.7-VOLTS DC SPECIFICATIONS CALLED FOR 2.1 PLUS OR MINUS .05 VOLTS DC. UNIT WAS SUBJECT TO A COMPLETE ELECTRICAL TEST. FAILURE WAS NOT CONFIRMED.							
CORRECTIVE ACTION-ETR AND FACTORY TEST PROCEDURES ARE BEING REVISED FOR COMPATIBILITY EFFECTIVE JUNE 22 1986.							
ASIS-A/2	Hg-99-24-2027 SEQUENCING CONTROL UNIT-ABORT	FAR 27-11111-935	063625 ETR	FACTORY YES NO	NO	NO	094737
FAILURE MODE-CONTAMINATION. SPECTROGRAPHIC ANALYSIS FOUND A HIGH CONCENTRATION OF MERCURY WAS FOUND IN THE PLATE FOR TITING COMPOND ESTIMATED TO BE 0.1 PCT. FACTORY REJECTION							
CORRECTIVE ACTION-PLATE VERS CONTAINING NO MERCURY WERE REMOVED MAY 7 1986.							

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central service

DIPLOMATIC HISTORY

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIF DATA SOURCE PART NUMBER	VEHICLE DATE OFP	SITE TIME OFP	P1 0TH	P1 1ST	VEHICLE NAME VENDOR PART NO
ASIS-A/B	HC-99-24-24SF ABORT SENSING CONTROL UNIT	FAR 27-11111-031	SE00117	ETR NO	YES SDC	YES SDC	NO
	FAILURE MODE-OUT OF TOLERANCE. DURING CHECK IN STRO LAB, PER 27-0330-002A, THE FREQUENCY SWITCH AND LOG-VOLTAGE BIAS, (EX4X) WAS MEASURED OUT OF TOLERANCE ON THREE CONSECUTIVE RUNS. UNIT WAS SUBJECTED TO COMPLETE ELECTRICAL TESTS, AND MONITORED FOR THREE HOURS. FAILURE COULD NOT BE CORRECTED.						
	CORRECTIVE ACTION- ETR AND FACTORY TEST PROCEDURE WAS REVISED FOR COMPATIBILITY. EFFECTIVE JUNE 22 1982.						
ASIS-A/B	HC-99-24-24SF ABORT SENSING AND CONTROL UNIT	FAR 27-11111-039	SE00117	ETR NO	YES SDC	YES SDC	NO
	FAILURE MODE-OUT OF TOLERANCE. 4 OF 9 CIRCUIT DETECTORS HAD A HIGH BIAS VOLTAGE. THE MOST PROBABLE CAUSE OF FAILURE WAS DUE TO THE USE OF AN UNCALIBRATED OSCILLOSCOPE.						
	CORRECTIVE ACTION-E.O.P. TEST PROCEDURES WERE REVISED TO CLARIFY THE MEASUREMENT REQUIREMENT TO CALL OUT THE USE OF A DIGITAL VOLTMETER INSTEAD OF AN OSCILLOSCOPE. EFFECTIVE MAY 19 1982.						
ASIS-A/B	HC-99-24-24SF CLOCK	FAR 27-11111-035	SE00410	ETR NO	YES SDC	YES SDC	NO
	FAILURE MODE-ERATIC OPERATION. ABORT SENSING CONTROL UNIT EXHIBITED A LOW FREQUENCY CHATTERING MODE. IN ADDITION TO THE NORMAL 600 CPS HUMMING, FAILURE WAS ATTRIBUTED TO A FAULTY 400CPS SINGLE PHASE SYNCHRONOUS CLOCK. FAIL THE ANALYSIS OF THE CLOCK WAS CANCELED BY REQUEST OF AIR FORCE QUALITY CONTROL.						
	CORRECTIVE ACTION-NONE.						
ASIS-A/B	HC-99-24-24SF ABORT SENSING CONTROL UNIT	FAR 27-11111-038	SE00417	ETR NO	YES SDC	YES SDC	NO
	FAILURE MODE-OUT OF TOLERANCE. DURING CHECK OUT P1 OPERATE DETECTOR BIAS VOLTAGE MEASURED MORE THAN 40 PERCENT BELOW EOP REQUIREMENTS.						
	CORRECTIVE ACTION-ALL UNITS WERE BEING TESTED TO REVISED VERSION OF E.O.P. EFFECTIVE MAY 19 1982, DUE TO VARIANCE IN EOP REQUIREMENTS.						
ASIS-A/B	HC-99-24-24SF CONTROL UNIT/TRANSISTOR	FAR 27-11111-035	SE00118	FACTORY NO	YES SDC	YES SDC	NO
	FAILURE MODE-FAIL BURST OPERATION. TWO UNITS WERE ANALYZED VIA THIS REPORT. ONE UNIT HAD LOW BIAS IN THE P-1 CHANNEL, THE OTHER IN THE P-1 CHANNEL. FAILURES CONFIRMED. CORRECTIVE ACTION WAS TO WIN OR THE INTEGRATED TRANSISTORS (TYPE 5600). TRANSISTORS WERE IN THEIR SHELLS. SUCCESS, BUT ON THE LOW SIDE.						

16 Jun 1966

GENERAL DYNAMICS
COMSAT DIVISION

DIFFICULTIES REVIEW-ASIS-ABSORB

SYSTEM ASIS-ABSORB	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIR DATA SHEET PART NUMBER	VEHICLE DATE DIF	SITE TIME DIF	PEI	VEHICLE NAME VEHICLE PART NO
ASIS-ABIS	HEAS-84-112F ABORT SENSING CONTROL UNIT/TRANSISTOR ST-11111-939 FOR	FAR ABORT SENSING CONTROL UNIT/TRANSISTOR ST-11111-939	601111 27-11111-939	FACTORY 600	NO	603661
ASIS-ABIS	CORRECTIVE ACTION-INSPECTION TECHNIQUES WERE IMPROVED AND TRANSISTORS TYPE 2N3999 ARE NOW MADE SELECTED FOR HIGH GAIN CHARACTERISTICS.					
ASIS-ABIS	AESD-0993/SD/AM-4CO-00-03	FLIGHT	600 611109	24 1.9	YES NO	603744
ASIS-ABIS	FAILURE MODE-OUT OF SPECIFICATION OR TOLERANCE. LOW TANK PRESSURE DROPPED BELOW SPECIFICATION AES-7-26.0 PSIG AFTER LIFTOFF TO A MINIMUM OF 22.7 PSIG AT 1.6 SECONDS.					
ASIS-ABIS	SYSTEM EFFECT-OPERATION TOO LOW.					
ASIS-ABIS	VEHICLE EFFECT-NONE.					
ASIS-ABIS	CORRECTIVE ACTION-A POTENTIAL PROBLEM WITH RESPECT TO THE ABORT THRESHOLD AT THE MERCURY ABORT SENSING AND INITIATION SYSTEM (ASIS). THE BOOSTER PHASE ASIS ABORT THRESHOLD FOR LOW TANK ULLAGE PRESSURE WAS CHANGED FROM 81.5 PLUS OR MINUS 1.0 PSIG TO 19.5 PLUS OR MINUS 1.0 PSIG, AND A PRESSURE FILTER WAS ADDED TO THE ASIS SENSING LINE.					
ASIS-ABIS	FAILURE MODE-PREMATURE OPERATION-MOMENTARY ABORT CONDITION GIVEN BY ASIS AT START OF TEST. TROUBLE CAUSED BY SIMILAR ACTIVATION OF THE TWO SURTAINER HYDRAULIC PRESSURE SWITCHES LOCATED IN TA 48 OF TET 4036.					
ASIS-ABIS	SYSTEM EFFECT-OPERATION STOPS PREMATURELY-MOMENTARY ABORT WILL CAUSE LOSS OF MISSION.					
ASIS-ABIS	VEHICLE EFFECT-COMPPOSITE. POST COMPPOSITE TESTING REQUIRED TO CORRECT PROBLEM.					
ASIS-ABIS	CORRECTIVE ACTION-SIX TORSOS READJUSTED TO ACTUATE AT DIFFERENT TIMES.					
ASIS-ABIS	HG-84-24-16SF PRESSURE SWITCH, MERCURY	FAR ST-44100-199	600 610009	ETL 610009	YES NO	603800
ASIS-ABIS	FAILURE MODE-FAIL TO OPERATE. DID NOT SIGNAL AN ABORT DURING A J-FACT TEST.					

GENERAL DYNAMICS
COMSAT DIVISION

13 JUN 1984

BIPOLAR 110 REVIEW-1013-1120CME

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE PART NUMBER	VEHICLE DATE B/F TIME DIF	SITE	P/T ON VENDOR PART NO
4915-4/8	corrective action-extensive examination did not reveal cause of low resistance across manifold. checks will be made on x-1 day to detect this type of failure. the vendor has requested to redesign item to use a solid manifold instead of a wound one.	NE-98-24-1647 PRESSURE SWITCH, MANIFOLD.	FAR 87-44800-272	STR 810208	723 POUNDS NO
4915-4/8	failure mode-fail to operate. did not signal an abort during a j-face test.				
4915-4/8	corrective action-remanufacture did not reveal cause of low resistance across manifold. checks will be made on x-1 day to detect this type of failure. the vendor has requested to redesign item to use a solid manifold instead of a wound one.				
4915-4/8	failure mode-leak external. the switch failed during a leak check. the high pressure side of the switch had rt 9016 nt frozen applied to simulate the liquid oxygen tank flight pressure. gas was leaking out of the atmospheric vent port. it is believed disclosed that the orings at the low port were distorted and pinched.	NE-98-24-120 ABORT PRESSURE SENSING SWITCH, LINE LTD OXYGEN TANK PRESSURE	FAR 610317	STR 810208	YES BORING LABORATORY NO GREED
4915-4/8	corrective action-a revision to reliability test requirement no. 10-2006 will incorporate leak testing of the pressure sensing switch. leak testing will be undertaken at both the vendors plant and at comair. the vendor has been notified of this and related discrepancies.	NE01-0085/PC-4CC-01-100 ABORT SERVING CONTROL UNIT	COMPOSITE-FACTORY 810208	FACTORY NO	
4915-4/8	failure mode-premature operation. abort occurred at 200 seconds which is 80 seconds prior to the time called out in the evaluation document.				
4915-4/8	system effect-improper discrete signals. abort command given and sustainer engine shutdown command given too early. vehicle effect-composite delayed. post composite test required.				
4915-4/8	corrective action-abort caused by hydraulic leak location pressure below abort point. leak corrected. signal checked to out at 200 seconds as stated in evaluations document, and satisfactory operation was indicated.				
4915-4/8	failure mode-out of tolerance. unit was rejected in the lab. the rejection was for a reported abort condition at 5.0 degrees per second roll rather than the normal 1.7 degrees per second. a build up of tolerances gave an erroneous 5 degrees in the subsequent rejection of the unit.	NE-98-24-002 ABORT SERVING CONTROL UNIT	FAR 87-11111-3	STR 801200	YES NO

1984 20X4 1

15 JUN 1964

GENERAL DYNAMICS
COMSAT DIVISION

DIFCUE/TES REVIEW AND ALLOCATE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DISPATCH SOURCE PART NUMBER	VEHICLE DATE SHIP	SIZE TIME SHIP	PIN C/N	VEHICLE NAME C/N
ASIS-A/B	AS-24-076 CONTROL UNIT, POTENTIOMETER	PAB 87-11111-1	ETR 800900	ETR 0.3	NO	ASIS
ASIS-A/B	ASIS-0747/P4-402-00-70 ASIS INTERMEDIATE BULKHEAD DELTA P PRESSURE SWITCH	FLIGHT 800919	780 800919	14 ETR 0.3	TES NO	ASIS
ASIS-A/B	ASIS-0747/P4-402-00-70 ASIS BI INJECTION PRESSURE SWITCH, CONNECTOR	FLIGHT 800919	780 800919	14 ETR 0.3	TES NO	ASIS
ASIS-A/B	ASIS BI INJECTION PRESSURE SWITCH ACTIVATED BETWEEN -2.7 AND -0.3 SECONDS AND 1 GRAVITY A HIGH RATE BURNER WAS USED TO SENSE PRESSURE FOR THE DELTA PRESSURE SWITCH.					
ASIS-A/B	ASIS BI INJECTION PRESSURE SWITCH ACTIVATED BETWEEN -2.7 AND -0.3 SECONDS AND 1 NOTICED AN ERATIC VOLTAGE OUTPUT FOR THE REMAINDER OF BOOSTER PHASE. INVESTIGATION REVELED THE SOURCE OF THE FAULT TO BE MOISTURE IN THE SYSTEM CAUSED BY A STORM CONDITION WHICH DELAYED LAUNCH.					
ASIS-A/B	ASIS EFFECT-HOME-ASIS A FALSE ALERT SIGNAL WAS SENT DUE TO A SHORTING CONDITION AT THE PLUG.					
ASIS-A/B	ASIS EFFECT-HOME-ASIS WAS OPEN-LOOP.					
ASIS-A/B	ASIS HYDRAULIC PRESSURE SWITCH CONNECTIVE ACTION-NONE	COUNTDOWN 800900	780 800900	14 NO	TES NO	ASIS
ASIS-A/B	ASIS EFFECT-HOME-ASIS TO OPERATE AT MEASURED TIME. DURING THE FIRST PART TEST TES ASIS NO. 2 HYDRAULIC PRESSURE WAS SET TO FAILLED TO CREATE WHEN HYDRAULIC PRESSURE WAS UP.					
	SYSTEM EFFECT-LOS OF ALIGNMENT.					

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19 JUN 1986

GENERAL DYNAMICS
CONTRACT DIVISION

DIFFICULTIES REVELED-AIRCODE

SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIF DATA SOURCE PART NUMBER	VEHICLE BAKE DIP	BTC TIME DIP	FBI CWT	VENDEUR PART NO
AS13-A/3	20-24-047 SUS TANK-PRESSURE	FAR 600000	800	ETR 000000	YES NO	71753-0-35-00
						000000
AS13-A/3	FAILURE MODE-FAIL TO OPERATE. SWITCH WAS SELECTED BECAUSE THE ABORT CANISTER SHOULD NOT INDICATE A READY CONDITION UNLESS THE SUSTAINER HYDRAULIC PRESSURE WAS INCREASED TO 2500 PSIG. FAILURE COULD NOT BE CONFIRMED. IT IS BELIEVED THAT FOREIGN MATERIAL BETWEEN THE WIPER AND THE POTENTIOMETER ELEMENT CAUSED THE FAILURE.					
AS13-A/3	CORRECTIVE ACTION-NOTIFIED VEHICLE OF THE FAILURE. VENDOR TAKING ACTION TO INSURE THAT THE DAMPING FLUID IS THOROUGHLY CLEANED AND FILTERED PRIOR TO FILLING THE SWITCHES.	AEG-0508/PA-402-00-02	FLIGHT 600002	800	14 ETR 507.7	YES NO
AS13-A/3	FAILURE MODE-FAILED TO OPERATE AT PRESCRIBED TIME. ASIS SUSTAINER HYDRAULIC HIGH PRESSURE MANIFOLD PRESSURE SWITCH DID NOT SEND ABORT SIGNAL AT 400 SECONDS. SWITCH ACTUATED AT 405 SECONDS. FREEZING OF SENSING LINE BELIEVED TO BE CAUSE. NO HEATING LINE CLAMPS FROM METAL-TO-METAL CLAMPS TO SENSING LINES FOR MEASUREMENT PTP, ENGINE LOW TANK PRESSURE.	AEG-0508/PA-402-00-02	FLIGHT 600002	800	14 ETR 507.7	YES NO
AS13-A/3	SYSTEM EFFECT-IMPROPER DISCRETE SIGNALS. SWITCH DID NOT SEND ABORT INDICATION WHEN SYSTEM PRESSURE DECREASED BELOW 2000 PSIG.					
AS13-A/3	CORRECTIVE ACTION-INSULATE SENSING LINES AND METAL-TO-METAL CLAMPS ASSOCIATED WITH HYDRAULIC PRESSURE MASTERS.					
AS13-A/3	FAILURE MODE-FAIL TO OPERATE. SWITCH ACTUATED AT 400 SECONDS. HIGH PRESSURE LINE TO THE ASIS INTERMEDIATE BUILDUP DIFFERENCE METAL PRESSURE SWITC	AEG-0508/PA-402-00-02	FLIGHT 600002	800	14 ETR 507.7	YES NO
AS13-A/3	FAILURE MODE-PRECISEURE OPERATION. THE BECO-LON TANK ASIS PRESSURE SENSOR WHICH INDICATED AN ABORT CONDITION. THIS IS NOT PRIMARY USED TO GENSE LOW TANK PRESSURE AFTER BECO. THE INDICATED INCREASE IN PRESSURE WAS DUE TO A CAPTURE POINT. TRAPPED AIR AT NORMAL PRESSURE CAUSED AN INCREASE IN DELTA PRESSURE AS THE VEHICLE INCREASED IN ALTITUDE	ASIS-0300P2-003-00-56 ASIS LOW TANK PRESSURE SWITCH VENT PORT C/P	FLIGHT 600000	800	14 ETR 507.6	YES NO

GENERAL DYNAMICS
COMSAT DIVISION

19 Jun 1966

DIFFICULTIES REPORT-NONE

SYSTEM	TEST/REPORT NUMBER	BIT DATA SOURCE	VEHICLE	SITE	BIT TIME	BIT 0TH	BIT 1ST	VEHICLE NAME
ASIS-SYSTEM	FAILED COMPONENT NAME	PART NUMBER	DATA BIT	TIME	0TH	1ST	NO	ASIS-PART NO
								ASIS-PART NO

SYSTEM EFFECT-NONE. INDICATED DISCRETE SIGNAL. THE INDICATED LOW TANK PRESSURE WERE ABOVE THE ABORT LEVEL. ANALOG MEASUREMENT OF LP TANK PRESSURE INDICATED NORMAL LEVEL. THE ASIS SYSTEM ISSUED AN ABORT SIGNAL.

VEHICLE EFFECT-NONE. ASIS SYSTEM WAS FLIGHT OPEN LOOP.

CORRECTIVE ACTION-CAP TO BE REMOVED.

ASIS-4/8	ASD-0-1322P2-003-00-54 ASIS LOC TANK PRESSURE SWITCH VENT PORT CAP	FLIGHT	SD	12	YES	NO	ASIS-PART NO
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FAILURE MODE-FREQUENT OPERATION. THE LOC TANK ASIS SENSE SWITCH INDICATED AN ABORT CONDITION. THE INDICATED INCREASING OF IMPRESSURE WAS DUE TO A CAPPED SENSE PORT. TRAPPED AIR AT NORMAL PRESSURE CAUSED AN INCREASE IN DELTA PRESSURE AS THE VEHICLE INCREASED IN ALTITUDE.

SYSTEM EFFECT-NONPERIODIC DISCRETE SIGNAL. THE INDICATED LOC TANK PRESSURE WERE ABOVE THE ABORT LEVEL, AS INDICATED BY THE ASIS SENSE SWITCH. ANALOG MEASUREMENT OF LOC TANK PRESSURE INDICATED NORMAL PRESSURE. THE ASIS ISSUED AN ABORT SIGNAL.

VEHICLE EFFECT-NONE. ASIS SYSTEM WAS FLIGHT OPEN LOOP.

CORRECTIVE ACTION-CAP TO BE REMOVED.

ASIS-4/8	ASD-0-0322P2-003-00-26 ASIS SUSTAINER HYDRAULIC PRESSURE SENSE LINE.	FLIGHT	SD	12	YES	NO	ASIS-PART NO
----------	--	--------	----	----	-----	----	--------------

FAILURE MODE-OUT OF TOLERANCE. SUSTAINER HYDRAULIC PRESSURE SENSE SWITCH INDICATED AN ABORT CONDITION. PRESSURE DROPPED BELOW THE ABORT LEVEL. SENSING LINES WERE ATTACHED TO SUSTAINER & LP LOW LINE AND GYL IN LINER FENCE.

SYSTEM EFFECT-NONPERIODIC DISCRETE SIGNAL. THE INDICATED HYDRAULIC PRESSURE DROPPED BELOW THE ABORT LEVEL. THE ASIS SYSTEM ISSUED AN ABORT SIGNAL.

VEHICLE EFFECT-NONE. ASIS SYSTEM FLIGHT OPEN LOOP.

CORRECTIVE ACTION-NONE. PROBLEM WAS REPORTED TO BE PECULIAR TO THIS FLIGHT ONLY. THIS CONFIGURATION IS NOT THE SAME AS PLANNED FOR MERCURY VEHICLES.

ASIS-4/8	ASD-0-0322P2-003-00-07 ASIS SENSING CONTROL UNIT	FAN	SD	000022	STR	YES	ASIS-PART NO
		27-11111-000					

FAILURE MODE-OUT OF SPECIFICATION. THE TURNING RATE IN THE RECOMMENDED ILL CHANNEL INDICATED TO CHANGE AN ABORT WAS FOUND TO BE MORE THAN 5 ACT BELOW NORMAL. DATA TAKEN IN TESTS INDICATED IN TESTS WAS INCORRECTLY RELATED TO BOTH IN A 10 TO 20 DEGREE DEGREES.

CORRECTIVE ACTION-OCT 9, 1966 PROCEDURE RT-01045 OR 1 REV. F WAS RELEASED. FWD. 4-8-11 CALLS FOR REVIEW OF PROCEDURE IN THE FACTORY. THE OTTO TEST ACT WAS MODIFIED BY CIC 04-05 MAY 2064. THIS CHANGE REQUIRES INSTALLATION OF A LINE

15 JUN 1986

SCHEDUL DYNAMICS
COMPUTER SYSTEM

DIFFICULTIES REVERT-Axis-AIRBAGS

SYSTEM SUB-SYSTEM	TEST/EXPERIMENT NUMBER FAILED COMPONENT NAME	BIF DATA SOURCE PART NUMBER	VEHICLE DATE BIF	SIZE TIME BIF	PCI ON	VEHICLE NAME VEHICLE PLATE NO.
Y ABOVE SPECIAL NUMBER 1 INDICATE TO INFORM OPERATOR WHEN ROTATE LAYERS.						

002163

**AUXILIARY POWER SOURCE
AIRBORNE
DIFFICULTIES REVIEW**

19 JUN 1986

GENERAL DYNAMICS
COMMERCIAL DIVISION

DIFFICULTIES REPORT-APS-41-0006

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER	BIP DATA SOURCE	VEHICLE PART NUMBER	DATE DISP	SITE	FLIGHT	VENDEE NAME VEHICLE PART NO
APS-4/A	FT40044/P2-103-00-16	COUNTDOWN	18A 500360	12 E.3	NO		097309
FAILURE MODE-FAIL DURING OPERATION. 2.3 SECONDS AFTER BAND FIRE THE APS PLDED OUT AS A RESULT OF FUEL DEPLETION FROM THE VERNIER START TANK.							
SYSTEM EFFECT-OPERATION TOO LOW. PERFORMANCE DROPPED OFF WHEN THE FUEL DEPLETED AND THE ENGINE DYNAMIC MEASURED REPORT LACEMENT OF THE APS 56.							
VEHICLE EFFECT-COUNTERDRIVE ABORT.							
CORRECTIVE ACTION-UNARM.							
APS-4/B	FT42358/P2-101-00-16	PWR POWER SUPPLY	16A 500361.8	12ETR	YES	NO	097320
FAILURE MODE-FAIL DURING OPERATION. THE ACCESSORY POWER SUPPLY SYSTEM SHUT DOWN 4.87 SECONDS AFTER IT'S PROPELLANT VALVES OPENED RESULTING IN PREMATURE TEST TERMINATION.							
SYSTEM EFFECT-OPERATION STOPS PREMATURELY.							
VEHICLE EFFECT-PREMATURE PROPULSION CUTOFF.							
CORRECTIVE ACTION-UNARM.							
APS-4/B	EM408/1A-108-87-14	CAPTIVE	14A 5003222	1A 49.3	YES		097331
APS GOX SUPPLY LINE BETWEEN COMPOSITE VALVE AND INJECTOR							
FAILURE MODE-LEAK-EXTERNAL. POST TEST HARDWARE INSPECTION REVEALED A RUSTURE IN THE APS GOX SUPPLY LINE BETWEEN THE COMPOSITE VALVE AND THE INJECTOR.							
SYSTEM EFFECT-LOW TEMPERATURE ENVIRONMENT. BI PRESSURE TRANSDUCERS WERE ADVERSELY AFFECTED BY EXTREMELY COLD TEMPERATURES AS A RESULT OF BEING SPRAYED BY LEAKING LOX.							
VEHICLE EFFECT-PREMATURE PROPULSION CUTOFF. BOOSTER AND VERNIER ENGINE OPERATOR WAS TERMINATED PREMATURELY AT 49.5 SECONDS BY OVER VOLT CUTOFF WHEN VISUAL OBSERVATION OF CHARTS INDICATED AN ENORMOUS DROP IN BI PRESSURE. THE LOX LINE ALSO FREEZE THE YAN ACTUATOR AND FEEDBACK TRANSDUCER CASING THE BI CHAMBER TO SO HARD OVER IN YAN AT ABOUT 31 SEC COMPS.							
CORRECTIVE ACTION-INVESTIGATION REVEALED THAT SOX LINE RUPTURES WERE CAUSED BY CONTAMINATED LINES AND A NEW LINE CLEANING PROCEDURE WAS INITIATED TO ELIMINATE FURTHER FAILURES.							
APS-4/B	2C-7-094/P4-102-00-13	FLIGHT	13A 500307	1A 0	NO	NO	
FAILURE MODE-PREMATURE OPERATION. APS CUTOFF AT LIFTOFF WHICH UMBILICAL PLUG EJECTED 0.03 SECONDS PRIOR TO FLIGHT. 7 HIS REMOVED ALL 28 VOLT DC POWER AT BAH 101. THE POINT AT WHICH THE TANKS PERSONALIZED SIGNAL IS OBTAINED. THIS IS A NORMAL SEQUENCE WHEN TANK PRESSURIZATION SIGNAL DROPS OUT.							
SYSTEM EFFECT-OPERATION STOP PREMATURELY.							

GENERAL DYNAMICS
COMBAT DIVISION

15 JUNE 1986

DIFFICULTIES REVELED-APU-ALGOLINE

SYSTEM	SUB-SYSTEM	TEST/REPORT NUMBER	PART NUMBER	SPF/PDI SOURCE	VEHICLE	SITE	PMI	VEHICLE NAME
APS-A/B		EM000/1A-105-AB-14		CAPTIVE	960130	CA	TE3	NO

VEHICLE EFFECT-NONE.

CORRECTIVE ACTION-NONE.

APS-A/B

FAILURE MODE-OUT OF SPECIFICATION. INDICATED DC VOLTAGE WAS APPROXIMATELY 12 PERCENT BELOW SPECIFICATIONS.

SYSTEM EFFECT-OPERATION TOO LOW.

VEHICLE EFFECT-NONE.

CORRECTIVE ACTION-UNKNOWN.

APS-A/B

EM000/1A-105-AB-14
HYDRAULIC ACTUATOR, PINTLE

FAILURE MODE-OUT OF EXPECTED TEST VALUE. THE HOT GAS PINTLE WAS IN A NEAR CLOSED POSITION AT THE START OF THE APS U

NET. THE NORMAL STARTING POSITION FOR THE PINTLE IS IN THE FULL OPEN POSITION.

SYSTEM EFFECT-OPERATION TOO HIGH. THIS CONDITION RESULTED IN A MORE RAPID THAN USUAL BUILDUP OF THE COMBUSTION CHAM

BER PRESSURE.

VEHICLE EFFECT-NONE.

CORRECTIVE ACTION-UNKNOWN.

APS-A/B

EM000/1A-105-AB-14
HYDRAULIC ACTUATOR, PINTLE

FAILURE MODE-OUT OF EXPECTED TEST VALUE. THE HOT GAS PINTLE WAS IN A NEAR CLOSED POSITION AT THE START OF THE APS U

NET. THE NORMAL STARTING POSITION FOR THE PINTLE IS IN THE FULL OPEN POSITION.

SYSTEM EFFECT-OPERATION TOO HIGH. THIS CONDITION RELATED IN A MORE RAPID THAN USUAL BUILDUP OF THE COMBUSTION CHAM

BER PRESSURE.

VEHICLE EFFECT-NONE.

CORRECTIVE ACTION-UNKNOWN.

APS-A/B

EM000/1A-105-AB-14
ALTERNATOR, POWER SUPPLY

FAILURE MODE-OUT OF TOLERANCE. DC VOLTAGE WAS FORTY ONE.

SYSTEM EFFECT-OPERATION TOO LOW.

893637

893638

893639

893640

893641

893642

893643

893644

15 JUN 1988

AEROSPACE DYNAMICS
COMMERCIAL DIVISION

BIFURCATION REVIEW-AP-14-1400E

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DATA SOURCE PART NUMBER	VEHICLE DATE SIV TIME SIV	SITE TIME SIV	POL TIME SIV	VOLTS WAVE SOURCE PART NO	COMMENTS
CORRECTIVE ACTION-UNKNOWN.							
AP-1-A/N	EN000/1A-104-43-14 PUMP, AP-1 HYDRAULIC	CAPTIVE 360138	1A 360138	1A NO	TDS NO	000046	
FAILURE MODE-OUT OF TOLERANCE. HYDRAULIC PUMP DISCHARGE PRESSURE WAS SLIGHTLY HIGH. SYSTEM EFFECT-OPERATION TOO HIGH. VEHICLE EFFECT-NONE.							
AP-1-A/N	EN000/1A-104-43-14	CAPTIVE 360138	1A 360138	1A NO	TDS NO	000050	
FAILURE MODE-OUT OF TOLERANCE. INDICATED DC VOLTAGES WERE APPROXIMATELY 12 PERCENT BELOW SPECIFICATION. SYSTEM EFFECT-OPERATION TOO LOW. VEHICLE EFFECT-NONE.							
CORRECTIVE ACTION-UNKNOWN.							

**GUIDANCE SYSTEM
AIRBORNE
DIFFICULTIES REVIEW**

G
DIFFICULTIES REVIEW GUIDANCE AIRBORNE

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16 APR 1994

GENERAL D. ANICA
COMBAT DIVISION

DIFUNCTIONAL REPORT-COMBAT SYSTEM-AIRCRAFT

SYSTEM ID-System Number	TEST/REPORT NUMBER FAILED COMPONENT NAME	SIP DATA SOURCE PART NUMBER	VEHICLE DATE SIP TIME O/P 0/H 0/M 0/S	SIZE MB	REASON NAME
SC NCO 19-748 RECORDER	FTA 2012/94-001-00-13 RECORDER	REC	198 201222 COUNTOUN	14/2718 00-00-00 201112 11:00	165 NO GENERAL ELECTR 0016020 0016020
SC NCO 19-748 RECORDER	FTA 2012/94-001-00-06 RECORDER	REC	198 201222 COUNTOUN	14/2718 00-00-00 201112 11:00	165 NO GENERAL ELECTR 0016020 0016020
SC NCO 19-748 RECORDER	FTA 2012/94-001-00-09 RECORDER	REC	198 201222 COUNTOUN	14/2718 00-00-00 201112 11:00	165 NO GENERAL ELECTR 0016020 0016020
SC NCO 19-748 RECORDER	FTA 2012/94-001-00-10 RECORDER	REC	198 201222 COUNTOUN	14/2718 00-00-00 201112 11:00	165 NO GENERAL ELECTR 0016020 0016020
SC NCO 19-748 RECORDER	FTA 2012/94-001-00-12 RECORDER	REC	198 201222 COUNTOUN	14/2718 00-00-00 201112 11:00	165 NO GENERAL ELECTR 0016020 0016020
SC NCO 19-748 RECORDER	FTA 2012/94-001-00-13 RECORDER	REC	198 201222 COUNTOUN	14/2718 00-00-00 201112 11:00	165 NO GENERAL ELECTR 0016020 0016020
SC NCO 19-748 RECORDER	FTA 2012/94-001-00-14 RECORDER	REC	198 201222 COUNTOUN	14/2718 00-00-00 201112 11:00	165 NO GENERAL ELECTR 0016020 0016020

FAILURE MODE-OUT OF TOLERANCE. DURING THE T-10 WHITE DAY 100% MEASURED CLOSER TO THE ENGINE.

SYSTEM EFFECT-DEGRADED OPERATION. SYSTEM OPERATION WAS UNSATISFACTORY.

VEHICLE EFFECT-NONE.

CORRECTIVE ACTION-NONE.

VEHICLE EFFECT-NONE.

VEHICLE EFFECT-NONE.

FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. DURING TEST 6 IN THE LOGO TEST, THE YAW STEERING COMING FROM THE
REFERENCE ENGINE IS PARTLY OUTPUT OF THE FAULTY TEAMMATE OR INCOMPLETE INCOMPLETE REFEREE STRUCTURE TO DECODE
THAT SIGNAL. CLOSURE IS NOT SENT DUE TO OPERATOR ERROR. THIS MODE TEST 6 NO-40.

SYSTEM EFFECT-IMPROVED MEASURED ENGINE. MEASURED 50 PERCENT PITCH STEERING. SIGNALS INDICATED.

VEHICLE EFFECT-CHANGED SENSORS. SIGNALS FROM ENGINE SENSORS WERE IMPAIRED.

VEHICLE EFFECT-NONE.

VEHICLE EFFECT-NONE.

FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. DURING THE LOGO TEST, THE YAW STEERING COMING FROM THE
REFERENCE ENGINE WAS NOT SENT DUE TO OPERATOR ERROR. THIS MODE TEST 6 NO-40.

SYSTEM EFFECT-IMPROVED MEASURED ENGINE. SIGNALS FROM ENGINE SENSORS WERE IMPAIRED.

VEHICLE EFFECT-NONE.

VEHICLE EFFECT-NONE.

FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. DURING THE LOGO TEST, THE YAW STEERING COMING FROM THE
REFERENCE ENGINE WAS NOT SENT DUE TO OPERATOR ERROR. THIS MODE TEST 6 NO-40.

SYSTEM EFFECT-IMPROVED MEASURED ENGINE. SIGNALS FROM ENGINE SENSORS WERE IMPAIRED.

VEHICLE EFFECT-NONE.

FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. DURING THE LOGO TEST, THE YAW STEERING COMING FROM THE
REFERENCE ENGINE WAS NOT SENT DUE TO OPERATOR ERROR. THIS MODE TEST 6 NO-40.

SYSTEM EFFECT-IMPROVED MEASURED ENGINE. SIGNALS FROM ENGINE SENSORS WERE IMPAIRED.

VEHICLE EFFECT-NONE.

FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. DURING THE LOGO TEST, THE YAW STEERING COMING FROM THE
REFERENCE ENGINE WAS NOT SENT DUE TO OPERATOR ERROR. THIS MODE TEST 6 NO-40.

SYSTEM EFFECT-IMPROVED MEASURED ENGINE. SIGNALS FROM ENGINE SENSORS WERE IMPAIRED.

VEHICLE EFFECT-NONE.

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BIBLIOGRAPHY OF THE BIBLE

11 SEP 1968

ELECTRICAL MECHANICS
COMMERCIAL DIVISION

BIFURCATE SYSTEMS REVIEW-EQUIVALENT SWITCH-HANDLING

SYSTEM NO.-DIVISION	TEST/REPORT NUMBER FILED COMPANY NAME	BIFURCATE SOURCE PART NUMBER	VEHICLE NAME	SITE DATE DIP	TIME DIP/ON	RELAY NO.	VEHICLE NAME	PART NUMBER	VEHICLE NAME	SITE DATE DIP	TIME DIP/ON	RELAY NO.
SYSTEM EFFECT-EQUIVALENT. VEHICLE SYSTEM AFTER 10 SEC BECOME INOPERATIONAL AND REPAIR WAS ACCOMPLISHED.												
CORRECTIVE ACTION-HANDLING. PROBLEM RELATED TO BE IN ONE OF AMPLIFIER CIRCUITS IN TRANSFER FILTER SECTION OF BIAS BEACON. CORRECTIVE ACTION-RECOMMENDATION TO BE MADE FOR LATER PLACEMENT OF MANIFOLDING.												
V AND VOLTMAGE. PROBLEMS RELATED TO BE IN THE TRANSFER FILTER.												
SYSTEM EFFECT-EQUIVALENT. SYSTEMS RELATED TO BE IN THE TRANSFER FILTER.												
SYSTEM EFFECT-EQUIVALENT. VEHICLE SYSTEM AFTER 10 SEC BECOME INOPERATIONAL AND REPAIR WAS ACCOMPLISHED.												
CORRECTIVE ACTION-HANDLING. PROBLEM RELATED TO BE IN ONE OF AMPLIFIER CIRCUITS IN TRANSFER FILTER SECTION OF BIAS BEACON. CORRECTIVE ACTION-RECOMMENDATION TO BE MADE FOR LATER PLACEMENT OF MANIFOLDING.												
FAILURE MODE-EQUIVALENT OPERATION. POLICE BEACON INDICATED CURRENT EXHIBITED AMONG CHARGES DURING TEST. NO CANINE ACTED.												
SYSTEM EFFECT-EQUIVALENT. POLICE BEACON SYSTEM AND RECEIVER OPERATED AUTOMATICALLY DURING THE TEST. THE PROBLEM MAY HAVE BEEN ASSOCIATED WITH BIAS AND POLICE BEACON AND UNDER CONDITIONS WHICH ALSO OCCURRED DURING THE TEST.												
VEHICLE EFFECT-HANDLING.												
CORRECTIVE ACTION-HANDLING INDICATED.												
FAILURE MODE-EQUIVALENT OPERATION. POLICE BEACON AND LINEAR BIFURCATE UNINTERRUPTED DURING TEST.												
SYSTEM EFFECT-EQUIVALENT OPERATION.												
VEHICLE EFFECT-HANDLING.												
CORRECTIVE ACTION-HANDLING INDICATED.												
FAILURE MODE-EQUIVALENT OPERATION. POLICE BEACON BIFURCATE SYSTEM DURING TEST												
SYSTEM EFFECT-EQUIVALENT OPERATION.												
VEHICLE EFFECT-EQUIVALENT RELATED TO RECEIVER INPUTS.												
CORRECTIVE ACTION-HANDLING INDICATION OF PISTON.												

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Failure mode-fault detection-failure mode event on the success trace of the fault mode sequence.

Failure mode-fault detection-failure mode event on the success trace of the fault mode sequence.

Failure mode-fault detection-failure mode event on the success trace of the fault mode sequence.

failure mode	failure mode	failure mode
failure mode	failure mode	failure mode
failure mode	failure mode	failure mode

Failure mode-fault detection-failure mode event on the success trace of the fault mode sequence.

Failure mode-fault detection-failure mode event on the success trace of the fault mode sequence.

Failure mode-fault detection-failure mode event on the success trace of the fault mode sequence.

SYSTEM EFFECT-OPERATOR stops inadvertently.

Failure mode-fault detection-failure mode event on the success trace of the fault mode sequence.

failure mode	failure mode	failure mode
failure mode	failure mode	failure mode
failure mode	failure mode	failure mode

Corrective action-fault detection-failure mode event on the success trace of the fault mode sequence.

Vehicle effect-countermeasures reported and fault mode removed.

Failure mode-fault detection-failure mode event on the success trace of the fault mode sequence.

Failure mode-fault detection-failure mode event on the success trace of the fault mode sequence.

Vehicle effect-countermeasures reported and fault mode removed.

Failure mode-fault detection-failure mode event on the success trace of the fault mode sequence.

failure mode	failure mode	failure mode
failure mode	failure mode	failure mode
failure mode	failure mode	failure mode

Corrective action-fault detection-failure mode event on the success trace of the fault mode sequence.

Vehicle effect-fault detection-failure mode event on the success trace of the fault mode sequence.

System effect-operator stops inadvertently.

Failure mode-fault detection-failure mode event on the success trace of the fault mode sequence.

Vehicle effect-fault detection-failure mode event on the success trace of the fault mode sequence.

failure mode	failure mode	failure mode
failure mode	failure mode	failure mode
failure mode	failure mode	failure mode

Failure mode-fault detection-failure mode event on the success trace of the fault mode sequence.

failure mode	failure mode	failure mode
failure mode	failure mode	failure mode
failure mode	failure mode	failure mode

Corrective action-fault detection-failure mode event on the success trace of the fault mode sequence.

Vehicle effect-fault detection-failure mode event on the success trace of the fault mode sequence.

16 Mar 1981

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VEHICLE EFFECT-COUNTER BILATERAL. 12 MILETA HOLD.

SYSTEM EFFECT - IMPROVED ANALOG SIGNALS - INTEGRATION BETWEEN THE LOOP TEST AND THE TEST.

THE JOURNAL OF CLIMATE

FEDERAL BUDGET 1993-94

SCHEMATIC ALGEBRAIC GROUPS

SECTION 2 **OFFICER-COMMUNICATOR.** If he has not done this,

SYSTEM EFFECT - INTERFERENT AND REFLECTOR SIGNALS.

100. SCALE ANALOG INDICATION WHEN SINGLE DIGITS WERE SHOT TO THE DECIMAL.

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THE JOURNAL OF CLIMATE

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THE UPPER LIMIT OF TOLERANCE - DUE TO FAILURE MODE-OUT OF THE RELATIVE ONE-HALF PITCH STABILISATION SIGNAL. OBTAINED IN THE

ABEG-10500/PIC-400-01-007
CORRECT-FACET 275 FACTORY YES SPECIAL CLEAR-100013

THE BOSTONIAN SOCIETY.

POLY(1-CYCLOHEXENE) POLYMER

SISTEMI DI SUPPORTO ALLA DECISIONE

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COMMUNIST STATE

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16 JUN 1968

SPECIAL VEHICLE
COMPLEX TEST STATION

DIFRACTIVE SYSTEM-MANUFACTURER

SYSTEM	TEST REPORT NUMBER	FAILED TEST SOURCE	VEHICLE	SITE	FAIL	NOV	VEH	VEHICULAR SOURCE PART NO	VEHICULAR SOURCE
SUBSTANC-E IN NOE 11-4-6	2067-63777C-803-00-18	FAILED COMPONENT NAME	PART NUMBER	DATE 919	1102	09	09	09	FACTORY
SUBSTANC-E IN NOE 11-4-6	2067-63777C-803-00-18	FAILED	REASONE	NO1000	NO1000	NO	1C	NO	GENERAL ELECTRIC 083370
FAILURE MODE-FAIL during operation-The pitch and yaw contacts were opposite in phase to that expected. cause 19 listed on.									
SYSTEM EFFECT-Improper analog signals-Substance system transmitted signals of wrong polarity to motor/lor system.									
VEHICLE EFFECT-Component related due to immature testing.									
CORRECTIVE ACTION-None-Nothing could not be duplicated. next composite test was satisfactory.									
SUBSTANC-E IN NOE 11-4-6	2067-63777C-803-00-18	COMPOSITE-FACILITY	108	FACTORY	NO	GENERAL ELECTR	083370		
SUBSTANC-E IN NOE 11-4-6	2067-63777C-803-00-18	DECODER	001500	NO1000	NO	1C	NO	NO	
FAILURE MODE-FAIL during operation-The substance data indicated erroneous outputs in pitch and yaw upon activation from the substance system. cause unknown. however, on future results it was discovered that the substance bits test one component could not see pitch and yaw signals at the same time dictated are sent or when interrogating the bits system.									
SYSTEM EFFECT-Improper analog signals.									
VEHICLE EFFECT-Composite was delayed to accomplish investigative tests.									
CORRECTIVE ACTION-Unknown. A proposal was submitted to change or modify the test equipment.									
SUBSTANC-E IN NOE 11-4-6	2067-63777C-803-00-18	DECODER	001500	NO1000	NO	1C	NO	NO	
SUBSTANC-E IN NOE 11-4-6	2067-63777C-803-00-18	DECODER	001500	NO1000	NO	1C	NO	NO	
FAILURE MODE-FAIL to operate at prescribed time. The substance pre-arm discrete signal could not be seen when tested.									
VEHICLE EFFECT-None.									
CORRECTIVE ACTION-Unknown.									
SUBSTANC-E IN NOE 11-4-6	2067-63777C-803-00-18	DECODER	001500	NO1000	NO	1C	NO	NO	
FAILURE MODE-FAIL to operate at prescribed time. The substance pre-arm discrete signal could not be seen when tested because the pre-arm circuit set was already been activated by an imprecise delayed relay in the test equipment.									
SYSTEM EFFECT-Improper substance signal.									

16 JUN 1964

GENERAL DYNAMICS
COMSAT DIVISION

DIFFICULTIES RELATED-AUTOGAGE SYSTEM-110000

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	OIF DATA SOURCE PART NUMBER	VEHICLE DATA BIP	SITE TIME DIFF.	PRI LW	VEHICLE NAME VENDOR PART NO
ATTITUDE-GE MOD 11-A/P DECODER	2D-7-534/PC-110-26-16 DECODER	COMPOSITE-FACTORY 340000	16A FACTORY NO IC	000111 000111	0	GENERAL ELECTR
VEHICLE EFFECT-NONE.						
CORRECTIVE ACTION-NONE. PROPER SYSTEM OPERATION.						
ATTITUDE-GE MOD 11-A/P DECODER	2D-7-442/PC-110-26-16 DECODER	COMPOSITE-FACTORY 370010	12A FACTORY NO IC	000373 000373	0	GENERAL ELECTR
VEHICLE EFFECT-NONE. NO FURTHER TESTING WAS PERFORMED AT THIS FACILITY.						
CORRECTIVE ACTION-THE DECODER WAS REPLACED.						
ATTITUDE-GE MOD 11-A/P DECODER	2D-7-118/PC-110-26-04 DECODER	COMPOSITE-FACTORY 370010	12A FACTORY NO IC	000373 000373	0	GENERAL ELECTR
VEHICLE EFFECT-NONE. PROPER SYSTEM OPERATION. DISCRETE DIGIT NO. 9 INDICATED A-1 POSITION, PRIOR TO 112 SECONDS, WHEN A-0 POSITION WAS EXPECTED.						
CORRECTIVE ACTION-THE DECODER WAS REPLACED.						
ATTITUDE-GE MOD 11-B/A/P DECODER	2C-7-118/PC-110-26-04 DECODER	FLIGHT NOIC	4C NOIC	000414 000414	0	GENERAL ELECTR
VEHICLE EFFECT-NONE. THE AUTOGAGE SYSTEM WAS UNABLE TO ESTABLISH CONTINUOUS MONOPULSE LOCK FROM LIFTOFF. ALSO, AT 40 SECONDS, THE CONICAL TRANSIENT RECEIVE TIME IN THE TRACK SYSTEM FAILED, THE SYSTEM WAS DISABLED AFTER 40 SECONDS. AS A CONSEQUENCE, THE PLANNED GUIDANCE SYSTEM FUNCTIONS WERE NOT PREPARED.						
CORRECTIVE ACTION-NONE.						

16 JUN 1966

DIFFICULTY REPORT-BALANCE SYSTEM-AIRACME

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE PART NUMBER	VEHICLE	SITE	PRI	VEHICLE NAME PART NO
GUIDANCE-GE MDO 1110-A76 RATE BEACON	AEGD-0795/FC-4C-01-081 BEACON, CONNECTOR PLUG	COMPOSITE-FACTORY 910 601005	FACTORY	YES GENERAL ELECTRIC NO IC	000010	
GUIDANCE-GE MDO 1110-A76 RATE BEACON	AEGD-0795/FC-4C-02-078 RATE BEACON	COMPOSITE-FACTORY 740 600616	FACTORY	NO GENERAL ELECTRIC NO IC		
VEHICLE EFFECT-COMPOSITE RESCHEDULED. POST-COMPONENT TESTING WAS REQUIRED.						
CORRECTIVE ACTION-REPAIRED PLUG.						
GUIDANCE-GE MDO 1110-A76 RATE BEACON	AEGD-0795/FC-4C-03-028 RATE BEACON	COMPOSITE-FACTORY 920 600511	FACTORY	NO GENERAL ELECTRIC NO IC	000011	
VEHICLE EFFECT-COMPOSITE RESCHEDULED. SYSTEM EFFECT-OPERATION TOO HIGH.						
GUIDANCE-GE MDO 1110-A76 RATE BEACON	AEGD-0795/FC-4C-04-028 RATE BEACON	COMPOSITE-FACTORY 920 600512	FACTORY	NO GENERAL ELECTRIC NO IC	000012	
VEHICLE EFFECT-COMPOSITE RESCHEDULED. CORRECTIVE ACTION-UNBALANCE REPAIRS CORRECTLY.						
GUIDANCE-GE MDO 1110-A76 RATE BEACON	AEGD-0795/FC-4C-05-028 RATE BEACON	COMPOSITE-FACTORY 920 600513	FACTORY	YES GENERAL ELECTRIC NO IC	000013	
VEHICLE EFFECT-COMPOSITE RESCHEDULED. SYSTEM EFFECT-OPERATION UNBALANCED.						
GUIDANCE-GE MDO 1110-A76 RATE BEACON	AEGD-0795/FC-4C-06-028 RATE BEACON	COMPOSITE-FACTORY 920 600514	FACTORY	YES GENERAL ELECTRIC NO IC	000014	
VEHICLE EFFECT-COMPOSITE RESCHEDULED. CORRECTIVE ACTION-UNBALANCE HOMESTANATY AT 60.8 SECONDS, 63 MILLISECONDS AFTER THE RATE DISAPPEARED.						
GUIDANCE-GE MDO 1110-A76 RATE BEACON	AEGD-0795/FC-4C-07-028 RATE BEACON	COMPOSITE-FACTORY 920 600515	FACTORY	YES GENERAL ELECTRIC NO IC	000015	
VEHICLE EFFECT-COMPOSITE RESCHEDULED. SYSTEM EFFECT-HOMESTANATY.						

15 JUN 1984

ADDAI, MICA
COMPTD DIVISION

SUFFICIENT REVIEWS CONDUCTED SYSTEM-AFFECTIVE

SYSTEM	TEST/REPORT NUMBER	SUPPLY SOURCE	VEHICLE	SITE	PRI	VEHICL	VEHICL
TEST-TESTER	FAILS/COMPONENT NAME	PART NUMBER	DATE TESTED	DATE DIF	TIME DIF	OTH	PART NO
VEHICLE EFFECT-COMPOSITE RELATED.							607358
CORRECTIVE ACTION-HOME. GENERAL ELECTRIC STATES THAT THIS IRREGULARITY WOULD NOT AFFECT SYSTEM OPERATION.							
GUARDIAN-EGR NRD 111B-A78	AEGC-5004/PC-400-01-3 RATE BEACON RELAY	COMPOSITE-FACTORY 650 602524	FACTORY TEST GENERAL ELECTR	600103	NO	IC	
FAILURE MODE-ERATIC OPERATION-RATE BEACON POWER VARIATION IN 70-10 PERCENT FOR 0.3 SECONDS WHEN THE RATE BEACON RELAY IS PITCHED UP. ZERO POWER WAS EXPECTED. THIS CONDITION IS CONSIDERED INSIGNIFICANT TO NRD. EGR. AND IS ACCEPTABLE ON THIS BASIS.							
SYSTEM EFFECT-HOME. GEN. EGR. CERTIFIED THIS ANOMALY WOULD NOT AFFECT SYSTEM OPERATION.							
VEHICLE EFFECT-NONE.							
CORRECTIVE ACTION-HOME.							
GUARDIAN-EGR NRD 111B-A78	AEGC-5197/PC-400-01-3 RATE BEACON	COMPOSITE-FACTORY 500 602519	FACTORY TEST GENERAL ELECTR	600452	NO	IC	
FAILURE MODE-ERATIC OPERATION. THE RATE BEACON POWER CONTAINED VARIATIONS OF SIGNIFICANT MAGNITUDE AND THE RATE BEACON UNBLOCKED AT SEVERAL POINTS DURING THE TEST.							
TESTER EFFECT-ERATIC OPERATION-OUTPUT POWER VARIED AND LOCKED OUT SEVERAL TIMES.							
VEHICLE EFFECT-COMPOSITE RESCHEDULED. RETURN OF COMPOSITE MADE WITH NEW RATE BEACON.							
CORRECTIVE ACTION-HOME AND REPLACED BEACON.							
GUARDIAN-EGR NRD 111B-A78	AETP-27-5004/PC-400-01-41 RATE BEACON SYSTEM	COMPOSITE-FACTORY 450 501987	FACTORY TEST GENERAL ELECTR	607344	NO	IC	
FAILURE MODE-ERATIC OPERATION. ERATIC PITCHING OF THE RATE BEACON OCCURRED AFTER REMOVAL OF THE RATE BEACON. THIS WAS ATTRIBUTED TO A FAULTED ELEMENT IN THE RATE BEACON CANISTER AND LASTED FOR 0.1 SECONDS.							
TESTER EFFECT-ERATIC OPERATION. ERATIC PITCHING OF ALTIMETER CAUSED DELAY OF POWER TO LOCKON MODE.							
VEHICLE EFFECT-COMPOSITE RELATED. POST COMPOSITE TESTS HOME TO DEMONSTRATE STABILITY OF OPERATION.							
CORRECTIVE ACTION-HOME. EGR. PERSONNEL HAVE INDICATED THAT THE FAIL BEACON (LESS THAN 0.1 SECOND) OF THE DELAY OF RATE BEACON TO LOCKON MODE IS OF NO CONSEQUENCE.							

CERTIFICATE OF VEHICLE-INSURANCE SYSTEM-AIRBAG

TEST NUMBER	TEST REPORT NUMBER	DIP DATA SOURCE	VEHICLE	SITE	PIN	VENOR NAME
TEST NUMBER	FAILED COMPONENT NAME	PART NUMBER	DATE DIPPED	CITY	OTH	VENOR PART NO
SURFACE-SI NO 1118-745	12H-87-3487PC-CD-31-1	COMPOSITE-FACTORY	410	FACTORY	NO GEN. ELEC.	007525
RATE BEACON	RATE BEACON	NA100027	NO			
FAILURE MODE-OUT OF TOLERANCE. DURING RATE BEACON DIAGNOSTIC CHECK, READER INDICATED 10 PCT. OF NOMINAL POWER. ZERO ! IS EFFECTED. THOUGH ? TO BE INDUCED BY NONE PICKUP IN THE CALIBRATOR.						
SYSTEM EFFECT-HIGH.						
VEHICLE EFFECT-COMPOSITE RELAY-D. POST-COMPONENT TESTS WERE MADE TO DETERMINE SOURCE OF INSURGENCY. COULD NOT IDENTIFY.						
CORRECTIVE ACTION-NONE. MAGNETRON WAS RETURNED AND RATE BEACON DISCONNECT WAS PROGRAMMED SEVERAL TIMES DURING POST-COMPONENT TESTS. NO IN ZERO OUTPUT. IN EACH CASE,						
SURFACE-SI NO 1118-745	PT461NDPPI-404-00-10	CRUZBEACH	180	13/ETR	YES	GENERAL ELECTRIC
RATE BEACON	RATE BEACON	NA10006	-4000	NO	SC	
FAILURE MODE-EARTHATIC OPERATION. THE 6.1. RATE BEACON ENDED/END EARTHATIC BEHAVIOR ON AC NO. 1.						
SYSTEM EFFECT-ZERO.						
VEHICLE EFFECT-COMPUTER RELAY-D. REPLACED RATE BEACON WHICH REQUIRED 110 ADDITIONAL MINUTES TO PREVIOUSLY CALLED IN Q.D.						
CORRECTIVE ACTION-REPLACE 6.1. EARTHATIC RATE BEACON.						
SURFACE-SI NO 1118-745	80041773-400-00-27	PTP	170	13/ETR	NO	GENERAL ELECTRIC
RATE BEACON	RATE BEACON	NA10006	NO	SC		003177
FAILURE MODE-EARTHATIC OPERATION. AFTER CHARGING TO EXTERNAL POWER THE RATE BEACON LOCK-ON BECAME EARTHATIC DUE TO LOSS OF EXTERNAL AC POWER.						
SYSTEM EFFECT-EARTHATIC OPERATION.						
VEHICLE EFFECT-HIGH. VEHICLE DOES NOT REMOVE RATE BEACON WHILE ON EXTERNAL POWER. INCIDENT OCCURRED AFTER DRIVING 5FT-0FT.						
CORRECTIVE ACTION-RATE BEACON REPLACES AS PRECAUTIONARY MEASURE BEFORE PLANT TEST.						
SURFACE-SI NO 1118-745	1200-0432-08-001-00-05	PLANT	810	8-2-ETR	YES	GENERAL ELECTRIC
RATE BEACON	RATE BEACON	PLANT	00000000	SC	SC	
FAILURE MODE-FAIL MODE OPERATION. LOSS OF TRACK SYSTEM LOCK OCCURRED AT MILES 4.0 SPEEDS. POSSIBLY CAUSED BY FAIL STATE OF PLATE BEACON AT SYSTEM TIME.						
SYSTEM EFFECT-OPERATION STOPS FROM TRAIL. LOSS OF CONTROL LINE.						

15 JUN 1968

GENERAL ANTRAC
COMINT DIVISION

BREVITIES REPORT-COMPOSITE SYSTEM-1118-A/B

SYSTEM	TEST/REPORT NUMBER	BIP DATA SOURCE	VEHICLE	BITE	TIME	VENDOR NAME
SUB-SYSTEM	FAILS COMPONENT NAME	PART NUMBER	DATE	BIP	BIP	VEHICLE PART NO

VEHICLE EFFECT-HOME. LOSS OF COMMAND LINE SHOULD HAVE PREVENTED TRANSFER BACH OF SUBRANGE SIGNALS TO VEHICLE AND MODELS TO HAVE RESULTED IN THIS SUB RANGE FAILURE. HOWEVER, VEHICLE WAS DEACTIVATED BY BARKER SAFETY AT 85.6 SECONDS AS THE RESULT OF A FLIGHT CONTROL SYSTEM PROBLEM.

CORRECTIVE ACTION-RESEARCH. REPLACEMENT OF FLATTOP TUBE IN RECORDED PULSE BEACON RESTORED OPERATION. ANALYSIS OF A BORSEN ALTIMETER INDICATED THAT DEGRADING OCCURRED ACCELERATE. AFTER LOSS OF POWER SINCE CATHODE WAS NOT CONFINED. THERE WAS NO EVIDENCE OF CATASTROPHIC FAILURE PRIOR TO DEGRADING AND ALL PARTS, EXCEPT A CRACKED MEDIUM, WERE IN NORMAL CONDITION.

SUBDANCE-SG 1118-A/B ARDO-0803PC-4CD-01-48 COMPOSITE-FACTORY 800 FACTORY NO GENERAL ELECTRIC POLICE BEACON MAGNETRON

FAILURE MODE-STATIC OPERATION-AT APPROXIMATELY 10.2 SECONDS THE RECORDER INDICATED A SUSTAINABLE INCREASE OF MAGNETRON CURRENT. THIS WAS ATTRIBUTED TO A FAULTY AND TAPE TAPE.

SYSTEM EFFECT-STATIC OPERATION.

VEHICLE EFFECT-COMPOSITE INDETERMINATE.

CORRECTIVE ACTION-HOME. POST COMPOSITE TESTING FAILED TO REPRODUCE IN THIS CONDITION. RE-RUN OF COMPOSITE SIGNALS FROM R OPERATION.

SUBDANCE-SG 1118-A/B ARDO-0803PC-4CD-01-48 COMPOSITE-FACTORY 800 FACTORY NO GENERAL ELECTRIC POLICE BEACON MAGNETRON

FAILURE MODE-STATIC OPERATION-AT 100.2 SECONDS A THREE PERCENT INCREASE OF VOLTAGE PROPORTIONAL TO INTEGRATED PULSES IN BEACON MAGNETRON CURRENT OCCURRED. THIS CIRCUITRY HAD BEEN EXTENSIVELY TESTED AFTER REMOVAL FROM SGD FOR SAME CAUSE. CAUSE OF THIS INSTABILITY COULD NOT BE FOUND. e.g. RECORDER SAY THIS CONDITION IS ACCEPTABLE.

SYSTEM EFFECT-HOME-0.5-.2.25SECONDS SAY THIS SLIGHT INCREASE IN MAGNETRON CURRENT WILL NOT EFFECT SYSTEM PERFORMANCE.

VEHICLE EFFECT-HOME. e.g. CERTIFIED THIS PRODUCT WOULD HAVE NO EFFECT ON HS BATTLE PLANE.

CORRECTIVE ACTION-HOME.

SUBDANCE-SG 1118-A/B ARDO-07-0803PC-4CD-01-48 COMPOSITE-FACTORY 800 FACTORY NO GENERAL ELECTRIC POLICE BEACON MAGNETRON CHAMBER AND CHAMBER THE MAGNETRON CHAMBER TO AVOID OVERHEATING SINCE THE TEST TEAM WAS EXPECTED FROM THE CALIBRATION TAPE.

SYSTEM EFFECT-STATIC OPERATION-FAULTY AND UNRELIABLE RECORDER CAUSES STATIC OPERATION OF POLICE BEACON.

VEHICLE EFFECT-COMPOSITE INDETERMINATE. POST-COMPOSITE TESTING INDICATED NO SERIOUS RATE PROPER OPERATION.

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PAGE EIGHT

SYSTEM EFFECT-DYNAMIC OPERATION
SYSTEM EFFECT-DYNAMIC OPERATION

FAILURE MODE-DYNAMIC OPERATION-DYNAMIC OPERATION OF POWER SOURCE, MEASURED CURRENT WAS OBSERVED. DUE TO NEW POWER SOURCE, AIR TEMPERATURE.

POLICE BEACON
POLICE BEACON NO 1118-A0 A2K-27-380-AFC-00-00-00
POLICE BEACON, POLICE BEACON

COMMAND ACTUATOR-MOTOR BEACON BREAKS. COMPLETE COMPLETE MOTOR TESTED AND REBUILT.

VEHICLE EFFECT-COMPOSITE RECORDERS.
SYSTEM EFFECT-DYNAMIC OPERATION. FAULT POWER SOURCE CAUSED CRITICAL OUTPUT POWER LOSS.

FAILURE MODE-DYNAMIC OPERATION-DYNAMIC OPERATION OF POWER SOURCE, MEASURED CURRENT WAS OBSERVED. DUE TO NEW POWER SOURCE, AIR TEMPERATURE.

FAILURE MODE-DYNAMIC OPERATION-DYNAMIC OPERATION OF POWER SOURCE, MEASURED CURRENT WAS OBSERVED. DUE TO NEW POWER SOURCE, AIR TEMPERATURE.

POLICE BEACON
POLICE BEACON NO 1118-A0 A2K-27-380-AFC-00-00-00
POLICE BEACON, POLICE BEACON

COMMAND ACTUATOR-MOTOR BEACON BREAKS. COMPLETE COMPLETE MOTOR TESTED AND REBUILT.

VEHICLE EFFECT-COMPOSITE RECORDERS.
SYSTEM EFFECT-DYNAMIC OPERATION. FAULT POWER SOURCE CAUSED CRITICAL OUTPUT POWER LOSS.

FAILURE MODE-DYNAMIC OPERATION-DYNAMIC OPERATION OF POWER SOURCE, MEASURED CURRENT WAS OBSERVED. DUE TO NEW POWER SOURCE, AIR TEMPERATURE.

FAILURE MODE-DYNAMIC OPERATION-DYNAMIC OPERATION OF POWER SOURCE, MEASURED CURRENT WAS OBSERVED. DUE TO NEW POWER SOURCE, AIR TEMPERATURE.

VEHICLE EFFECT-COMPOSITE RECORDERS.
SYSTEM EFFECT-DYNAMIC OPERATION. FAULT POWER SOURCE CAUSED CRITICAL OUTPUT POWER LOSS.

FAILURE MODE-DYNAMIC OPERATION-DYNAMIC OPERATION OF POWER SOURCE, MEASURED CURRENT WAS OBSERVED. DUE TO NEW POWER SOURCE, AIR TEMPERATURE.

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VEHICLE EFFECT-COMPOSITE RECORDERS.
SYSTEM EFFECT-DYNAMIC OPERATION. FAULT POWER SOURCE CAUSED CRITICAL OUTPUT POWER LOSS.

FAILURE MODE-DYNAMIC OPERATION-DYNAMIC OPERATION OF POWER SOURCE, MEASURED CURRENT WAS OBSERVED. DUE TO NEW POWER SOURCE, AIR TEMPERATURE.

VEHICLE EFFECT-COMPOSITE RECORDERS.
SYSTEM EFFECT-DYNAMIC OPERATION. FAULT POWER SOURCE CAUSED CRITICAL OUTPUT POWER LOSS.

REPAIRABLE DEFECT-POWER SOURCE		REPAIRABLE DEFECT-POWER SOURCE	
SYSTEM	DEFECT	SYSTEM	DEFECT
POWER SOURCE	1118-A0	POWER SOURCE	1118-A0
POWER SOURCE	1118-A0	POWER SOURCE	1118-A0

10 JUN 1984

COMMAND ACTUATOR
COMMAND ACTUATOR

REPAIRABLE DEFECT-POWER SOURCE

19 JUN 1986

GENERAL ELECTRIC
COMPAK DIVISION

SPECIFICATIONS REVISIT-COMPAK SYSTEM-41SECURE

SYSTEM SUB-SYSTEM	TEST REPORT NUMBER FAILED EQUIPMENT NAME	SIP DATA JACK PART NUMBER	VEHICLE DATE DFT TIME SIP ON WIRELESS PORT ID	PIN VEHICLE NAME	FACTORY YES GENERAL ELECTRIC NO IC	REASON
VEHICLE EFFECT-COMPAK RECODED.						
CORRECTIVE ACTION-NO TEMPERATURE CONNECTED. A COMPLETE COMPOSITE TEST WAS PERFORMED.						
GUIDANCE-SI MOD 111B-A/B AT&T-8177FC-90-94-11 PULSE BEACON		COMPOSITE-FACTORY 210 SHOTS	FACTORY YES GENERAL ELECTRIC NO IC			
FAILURE PRO-BEAMATIC OPERATION-RECORDER INDICATED 1.8 CM WAVE PLUS ABOUT 6 DISCHARGE INDICATION. HIGHLIGHT AND REASSES. THIS MODE HAS BEEN TRACED TO THE PULSE BEACON.						
SYSTEM EFFECT-BEAMATIC OPERATION-FAULT PULSE BEACON CAUSED BEAMATIC OUTPUT SIGNALS. VEHICLE EFFECT-COMPAK RECODED.						
CORRECTIVE ACTION-BEACON REPLACED.						
GUIDANCE-SI MOD 111B-A/B ITADS-97-72-301-00-1 PULSE BEACON		COUNTDOWN 5-00-00-0000	12/20/86 00047	YES GENERAL ELECTRIC NO IC		
FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. CORRECT PULSE BEACON BRO NOT LOCK ON.						
SYSTEM EFFECT-COUNTERM MODE ISOLATED. HOLD UP OF 30 MINUTES WAS REQUIRED.						
CORRECTIVE ACTION-BEACON PULSE BEACON.						
GUIDANCE-SI MOD 111B-A/B AT&T-0477782-901-00-10 PULSE BEACON		FLIGHT 00000	1400 00047	YES GENERAL ELECTRIC NO IC		
FAILURE MODE-OUT OF TOLERANCE. OUTLINE STEERING SIGNALS WERE ADVISED RECOMMEND FOR STEERING AND DECCELERATION WHICH WOULD BE SOLE PRIORITY A MAXIMUM OF 1.7 SECURE AT 1.1 CPS.						
SYSTEM EFFECT-COUNTERM OPERATION. V/A COMMAND, ALTHOUGH THIS RELATIVE AND POSITION USES INTEGRATED SENSORS VEHICLE DOES NOT REACT.						
CORRECTIVE ACTION-WEATHER.						
VEHICLE EFFECT-NO MODE.						
GUIDANCE-SI MOD 111B-A/B AT&T-8177FC-90-94-11 PULSE BEACON						
FAILURE MODE-OUT OF TOLERANCE. STEERING AND DECCELERATION ARE SOLE ON ALL LOOP TEST TESTS EXCEPT THAT MODE DUE TO SECOND STATION PRO BLEMS.						

PAGE 004

SYSTEM	TEST/SCENARIO? REASON	DATA SOURCE	DATE	SITE	TIME	TYPE	PERIOD	VEHICLE NAME	VEHICLE PART NO
VEHICLE EFFECT-DECODE									
CONNECTIVE ACTION-LOOP TEST REASON:									
SYSTEM EFFECT-IMPACT-DIGESTE SIGNAL. SOURCE WAS TO GO ON TIN LOOP TESTS EXCEPT TEST 1 BECAUSE OF A SIMULATOR PROBLEM AT SCAFFOLD IN BUILDING CONTROL FACILITY NO. 1.									
CONNECTIVE ACTION-LOOP TEST REASON:									
SYSTEM EFFECT-DECODE									
FAILURE MODE-OUT OF POSITION RECORDING NO. 1, 2 SECURE RELAY LOCKIN, INDICATED A DECREASED ID REFLECTION AT THE SIMULTANEOUSLY OPENED LOCKIN OF RELAYS 4 AND 5 WHEN A NEWER THAN EXPECTED. THIS CONDITION WAS CAUSED BY A FAULT CIRCUIT IN THE 20000 COUNTER DRIVER OF "P" AND "N".									
CONNECTIVE ACTION-THE ERROR COUNTER DRIVER WAS REPLACED.									
SYSTEM EFFECT-DECODE									
FAILURE MODE-PREVENTIVE OPERATION. THE SUBSYSTEM WHICH SYSTEM GENERATED THE VEHICLE CUTOUT DISCIRCT SLIGHTLY PREVENTED. THE ALARMING RECORDER ISSUED THE DISCIRCT TO THE AIRBRAKE SYSTEM.									
CONNECTIVE ACTION-UNKNOWNS.									
VEHICLE EFFECT-UNKNOWNS. POST-COMPLETE TESTS WAS SUSPENDED.									
CONNECTIVE ACTION-UNKNOWNS.									
VEHICLE EFFECT-DECODE									
FAILURE MODE-ALL DOORS OPERATION. LOSS OF TRACK STATION LOCK OCCURRED AT 00:00-00:00-00:00-00:00									
CONNECTIVE ACTION-UNKNOWNS.									
VEHICLE EFFECT-UNKNOWNS. LOSS OF COMM LINE WHICH HAVE PRACTICALLY TRANSMISSION OF ENTRANCE COMMANDS TO VEHICLE AND VEHICLES WHICH REPORTED TO IT IN WHICH PASTIVE, REPORTS, VEHICLE WAS INSTRUCTED BY SAME SAFETY AT 00:00 SECONDS AS THE REPORTS OF A PLANE CONTROL SYSTEM PROVIDED.									
CONNECTIVE ACTION-UNKNOWNS.									

10 JUN 1986

BIFUNCTIONAL SYSTEMS REVIEW-ENHANCE SYSTEM-AISCODE

SEPARATE L-4 AIRCRAFT
COMAR DIVISION

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIP DATA SOURCE PART NUMBER	VEHICLE DATE DIP	SITE TIME DIP	RELAY NO. DIP	RELAY NAME PART NO.
ON WHETHER ANY OF THESE WAS FAILED PRIOR TO VEHICLE RESTRICTION OR CAUSED BY IMPACT.						
ENHANCE-SC NO 1118-470 REDOER	AG90-6197/PC-400-01-16 RELAY-STAGING LOCKOUT	COMPOSITE-FACTORY 669022	FACTORY	NO	GENERAL RELAY NO IC	
FAILURE MODE-PREDICTIVE OPERATION-GUARANTEE STAGING LOCKOUT RELAY ACTIVATED AFTER FIVE DISCRETE MESSAGES LESS THAN THE COMPUTED NUMBER OF DISCRETE MESSAGES WERE TRANSMITTED. THIS CONDITION WAS APPARENTLY CAUSED BY THE COORDINATOR DRIVER IN THE SECOND TEST EQUIPMENT. POST COMPOSITE TESTING FAILED TO REPEAT THIS CONDITION.						
VEHICLE EFFECT-COMPOSITE BELAND-SIX POST-COMPOSITE TESTS MORE IN EFFORT TO MOVE RELAY ACTIVATE EARLY. COULD NOT GET RELAY TO FAIL.						
CORRECTIVE ACTION-HIDE.						
ENHANCE-SC NO 1118-470 REDOER	AG90-6197/PC-400-01-15 DECODER	COMPOSITE-FACTORY 669017	1118TH	YES GENERAL ELECTRIC -900	NO IC	
FAILURE MODE-OUT OF TOLERANCE. NEGATIVE PITCH STEERING CHANNEL WAS COMPUTED TO BE 50 PERCENT FULL SCALE ROTATIVE PITCH STEERING CHANNEL. THIS WAS DUE TO A MALFUNCTIONING DECODER.						
SYSTEM EFFECT-IMPACT ANALOG SIGNALS. DATA INDICATED 50 PERCENT FULL SCALE ROTATIVE PITCH STEERING CHANNEL WHICH IS 100 PERCENT FULL SCALE CHANNELS WERE BEING TRANSMITTED.						
VEHICLE EFFECT-TIME. IT WAS CONCLUDED MALFUNCTION WOULD NOT PERSIST DURING TEST OBJECTIVE AND THE TEST WAS CONTINUED.						
CORRECTIVE ACTION-DECODER WAS REPLACED AFTER TEST.						
ENHANCE-SC NO 1118-470 REDOER	20-7-378/TC-300-01-11 RELAY	COMPOSITE-FACTORY 669018	FACTORY	YES GENERAL ELECTRIC -900	NO IC	
FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. DISCRETE RELAY NO. 7 DID NOT ACTIVATE DURING ANTIFRAGMENT TESTING UNLESS ACTIVATION WAS CORRECTED. RELAY NO. 7 CONTACTS WERE SWAPPED.						
SYSTEM EFFECT-IMPACT STICKER SIGNALS.						
VEHICLE EFFECT-COMPOSITE RELAY.						
CORRECTIVE ACTION-UNKNOWN.						

16 Jun 1990

GENERAL SERVICES
COMPUTER DIVISION

BIFECTS/TDS VEHICLE-ENGINEERING SYSTEMS-VISORCE

SYSTEM TEST-SYSTEM	TEST REPORT NUMBER FAILED COMPONENT NAME	BIF DATA SOURCE PART NUMBER	VEHICLE PART NUMBER	SITE DATE TESTED	PIN	VENDOR NAME CIRCUIT NUMBER PART NO
ENTRANCE-SE MOD 1118-APB	PT44924773-002-00-03 RELAY	CONTINUUM	SO	13-0774 06/27/90	YES	GENERAL ELECTRIC 00-15
FALURE MODE-FROM AUTOMATIC OPERATION. RELAY WAS ACTIVATED WHEN NO DISCRETE LINE WAS SENT. SYSTEM EFFECT-INPUT/OUTPUT IS DISCRETE SIGNAL.						
VEHICLE EFFECT-COMPUTER IS DELAYED.						
CORRECTIVE ACTION-CARRIER CHANGED.						
ENTRANCE-SE MOD 1118-APB	ADC-27-817773-002-00-01 DISCRETE DECODER	CONTINUUM	SO	13-0774 06/27/90	YES	GENERAL ELECTRIC 00-15
FALURE MODE-OUT OF TOLERANCE. ENGINE SYSTEM NOT FUNCTIONING PROPERLY. NATURE OF FAULT-SECTION OF ENGINE. SYSTEM EFFECT-INPUT/OUTPUT IS SECTION SIGNAL.						
VEHICLE EFFECT-COUNTERS OR COMPUTER IS DELAYED. 2 HOUR HOLD.						
CORRECTIVE ACTION-THE AIRBORNE DECODER WAS REPLACED. CORRECTIVE ACTION FOR THE DECODER IS NOT KNOWN.						
ENTRANCE-SE MOD 1118-APB	ADC-27-817773-002-00-01 DECODER	CONTINUUM-FACTORY SOLO	SO	13-0774 06/27/90	NO	GENERAL ELECTRIC 00-15
FALURE MODE-FAIL DURING OPERATION. TWO 277 OHM AND 100 OHM RESISTORS WERE SENT SINCE THERMALITY WHICH WERE ATTACHED TO THE TEST EQUIPMENT BREAKER.						
SYSTEM EFFECT-INPUT/OUTPUT AVAILABILITY. FAULTY AMPLIFIERS WHICH SUCCESS TO PUT OUT FALSE SIGNALS OR NO SIGNALS AT ALL ARE REACHED.						
VEHICLE EFFECT-COMPONENT INCOMPATIBLE. COMPUTER IS NOT USED.						
CORRECTIVE ACTION-NOT KNOWN.						
ENTRANCE-SE MOD 1118-APB	ADC-27-817773-002-00-01-11 DISCRETE	CONTINUUM-FACTORY SOLO	SO	13-0774 06/27/90	NO	GENERAL ELECTRIC 00-15
FALURE MODE-YARD TO GATEWAY AT PRACTICALLY 110%. ADC-27-817773-002-00-0111 NOT OCCUR BECAUSE THE YARD GATEWAY IS NOT CONNECTED TO THE TEST EQUIPMENT BREAKER.						
SYSTEM EFFECT-INPUT/OUTPUT IS DISCRETE SIGNAL.						
VEHICLE EFFECT-INPUT/OUTPUT IS RELATED.						
CORRECTIVE ACTION-DISCRETE REPLACED PRIOR TO LAUNCH.						

PDR-2000

16 APR 1988

SIGHTING-TEST-DIRECT-ORBITAL SYSTEM-11002

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED CAPABILITY TEST TEST DATE	SIGHT BY DATE SOURCE TEST NUMBER	VEHICLE DATE OF TIME DATA TEST NUMBER	SITE TEST NUMBER	FACTORY TEST NUMBER	VEHICLE TEST NUMBER	VEHICLE TEST NUMBER
ORBITER-DE NOC 110-408 ENCODER	1507-16770-400-00-135 15071	COMPUTER-FACTORY 30-000	FLIGHT 300 301000	11/17/88 824	NO 1C	NO 1C	NO 1C
FAILURE MODE-FAIL DURING OPERATION. STARTING 10 seconds after test, a series of six rate signals interrupted operation of LIDAR. SYSTEM EFFECT-IMPACT DISCRETE SIGNAL. THE DISCRETE RELAY ACTIVATION TIME WAS TOO LONG. VEHICLE EFFECT-COMPUTER RECHARGED. THE COMPUTE TEST HAS RESTARTED AGAIN.							
CORRECTIVE ACTION-ENCODER WAS REPLACED.							
FAILURE MODE-FAIL DURING OPERATION. THE PERIOD OF RATE LOCK WAS TO POOR AND THE VEHICLE WAS IN SLOW MODE. MEDIUM IS 21 KILOMETERS. SYSTEM EFFECT-IMPACT DISCRETE SIGNAL. THE DISCRETE RELAY ACTIVATION TIME WAS TOO LONG. VEHICLE EFFECT-COMPUTER RECHARGED. THE COMPUTE TEST HAS RESTARTED AGAIN.							
CORRECTIVE ACTION-ENCODER WAS REPLACED.							
FAILURE MODE-FAIL DURING OPERATION. DURING THE SECOND POSITION OF THE SIGHT STATION UNACCURATE GIVING BAD RATE DATA TO THE COMPUTER. ALL DISTURBANCES WERE CONCERNED WITH PERTURBATION CAPTURES.							
SYSTEM EFFECT-IMPACT DISCRETE SIGNAL. DURING THE PERIOD OF BAD RATE DATA THE COMPUTER, WHICH IMMEDIATELY RELEASED THE POSITIONED TRACK INFORMATION, SUBSEQUENTLY THE VEHICLE POSITION EARLY.							
VEHICLE EFFECT-ROTATING VEHICLE ENGINE CUTOFF. THE VEHICLE IMPACT WAS SLIGHTLY SHORT OF TARGET.							
CORRECTIVE ACTION-HOLD.							
FAILURE MODE-FAIL DURING OPERATION. LOSS OF RATE LOCK DUE TO POOR ANTENNA LOCATE SIGNALS DURING THE POSITIONING PHASE. THE VEHICLE WAS IN SLOW MODE. THE COMPUTER DETERMINATED TRACK DATA TO OBTAIN RATE DATA. SYSTEM EFFECT-IMPACT DISCRETE SIGNAL. DUE TO LOSS OF INTERNAL POSITIONING DATA, THE COMPUTER WAS IMPOSSIBLE TO OBTAIN RATE DATA.							
VEHICLE EFFECT-ROTATING VEHICLE ENGINE CUTOFF. DUE TO THE INACCURACY OF POSITIONING DATA, THE COMPUTER WAS IMPOSSIBLE TO OBTAIN RATE DATA. THE VEHICLE POSITION WAS POSITIONED BY INTERNAL POSITIONING DATA.							
CORRECTIVE ACTION-HOLD.							
FAILURE MODE-FAIL DURING OPERATION. LOSS OF RATE LOCK DUE TO POOR ANTENNA LOCATE SIGNALS DURING THE POSITIONING PHASE. THE VEHICLE WAS IN SLOW MODE. THE COMPUTER DETERMINATED TRACK DATA TO OBTAIN RATE DATA. A MSG LOCATED IN THE LOG.							
SYSTEM EFFECT-IMPACT DISCRETE SIGNALS. THE COMPUTER DETERMINATED TRACK DATA TO OBTAIN RATE DATA.							

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SOCIETAL RISKS IN VILLAGES-AN INDEX

RECORDED IN 1961. RECORDS OF 1961 WERE DESTROYED. RECORDS OF 1962 WERE DESTROYED. RECORDS OF 1963 WERE DESTROYED.

IN 1964, RECORDS WERE DESTROYED. RECORDS OF 1965 WERE DESTROYED. RECORDS OF 1966 WERE DESTROYED. RECORDS OF 1967 WERE DESTROYED.

IN 1968, RECORDS WERE DESTROYED. RECORDS OF 1969 WERE DESTROYED. RECORDS OF 1970 WERE DESTROYED. RECORDS OF 1971 WERE DESTROYED.

RECORDS OF 1972 WERE DESTROYED.

RECORDS OF 1973 WERE DESTROYED.

RECORDS OF 1974 WERE DESTROYED. RECORDS OF 1975 WERE DESTROYED.

RECORDS OF 1976 WERE DESTROYED. RECORDS OF 1977 WERE DESTROYED. RECORDS OF 1978 WERE DESTROYED.

RECORDS OF 1979 WERE DESTROYED.

RECORDS OF 1980 WERE DESTROYED.

RECORDS OF 1981 WERE DESTROYED. RECORDS OF 1982 WERE DESTROYED. RECORDS OF 1983 WERE DESTROYED. RECORDS OF 1984 WERE DESTROYED.

RECORDS OF 1985 WERE DESTROYED. RECORDS OF 1986 WERE DESTROYED. RECORDS OF 1987 WERE DESTROYED.

RECORDS OF 1988 WERE DESTROYED. RECORDS OF 1989 WERE DESTROYED. RECORDS OF 1990 WERE DESTROYED. RECORDS OF 1991 WERE DESTROYED.

RECORDS OF 1992 WERE DESTROYED.

RECORDS OF 1993 WERE DESTROYED.

RECORDS OF 1994 WERE DESTROYED. RECORDS OF 1995 WERE DESTROYED. RECORDS OF 1996 WERE DESTROYED. RECORDS OF 1997 WERE DESTROYED.

RECORDS OF 1998 WERE DESTROYED. RECORDS OF 1999 WERE DESTROYED. RECORDS OF 2000 WERE DESTROYED. RECORDS OF 2001 WERE DESTROYED.

DATE RECEIVED	TYPE	NUMBER	NAME	ADDRESS	PHONE NUMBER	EXPIRATION DATE
07-19-62	STANDARD	000000	JOHN D. HARRIS	1234 FAIRFIELD DR.	555-1234	07-19-63
07-19-62	STANDARD	000000	JOHN D. HARRIS	1234 FAIRFIELD DR.	555-1234	07-19-63
07-19-62	STANDARD	000000	JOHN D. HARRIS	1234 FAIRFIELD DR.	555-1234	07-19-63
07-19-62	STANDARD	000000	JOHN D. HARRIS	1234 FAIRFIELD DR.	555-1234	07-19-63

RECORDS DESTROYED

16 JULY 1962

RECORDS DESTROYED

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CONNECTIVE ACTION-MODELS. THE GROUP IS ASSISTED IN THE POSSIBILITY OF FALSE LOGIC. A SUPERIOR SYSTEM WAS PLACED ON THIS VEHICLE.

VEHICLE EFFECT-IMPROVED TRACTION-THE ENGINES COULD BE LOCATED IN A LOWER TRACTOR AND THE NECESSITY OF VEHICLE ROTATION.

PILOT EFFECT-IMPROPER ANALOG SIGNALS-THE RATE BEACON FAILURE, COUPLED WITH AN ERROR IN THE EQUIVALENT DATA/TIME INDEX

1320 SERVICE ALTEADDO KELAS SEDANG DAN MULIA

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WINDWARD - SE HOG 1116-4/3
MIDATE BEACH
DATE 0721/79 - 402-00-145
2012 REACON
FISHES

CORRECTIVE ACTION-NONE. SURFACE SYSTEM INSPECTED AND NO PROBLEMS ACTIVITY TO EXPEDITE EQUIPMENT OF THE VEHICLE.

Vehicle parts—new, corrected or repaired to be made up to the original size.

CHROMAT TEST. RECENTLY SIGHTED IN APPROXIMATELY HALF OF THAT COUNTRY.

FAILURE MODE-OUT OF TOLERANCE. THE RATE BEACON SENSITIVITY OF THE DATA BEACON DURING THE CONFIDENCE CHECK DID NOT AGREE

CORPORATIVE ENTITAS-DE.

VEHICLE EFFECT-DEPARTMENT DELAYED. COURT WAS RECYCLED TO T-5 MINUTES, ONCE FROM -45 SECONDS; AND ONCE FROM -4

SYSTEM EFFECT-IMPROPER ANALOG SIGNALS. BEACON ACR 105 OSCILLATING.

WALDEN WOOD-SON GE TUDOMAG. AL ELEMEK BALEM 2003. NEMERULATÓI TÍZES ÁTVÁTÁSÚBAN: 7.860 30.381 670 30.381 670.

CORRECTIVE ATTITUDE SCALE.

VEHICLE OFFICER-NUMBER, BIRTHDAYS, ETC., WHICH WOULD BE APPROPRIATE FOR SUCCESSFUL FULFILLMENT OF THE OBJECTIVE OF THE DRILL.

RECEIVED - 30 SEP 1968
FBI - MEMPHIS

2000-10-10 10:00:00 2000-10-10 10:00:00 2000-10-10 10:00:00 2000-10-10 10:00:00 2000-10-10 10:00:00

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19-JUN-1968

GENERAL SYSTEMS
COMIC 10 DIVISION

DIFFICULTIES REPORTED-FAILURE RATE BEACON

SYSTEM SUB-SYSTEM	TEST/REASON? REASON FAILED COMPONENT NAME	BTP DATA SOURCE PART NUMBER	VEHICLE DATE	SITE DATE	PRI OTH	VEHICLE NAME WHEEL PART NO
SUB-SOURCE-5E MOD 1111-A/B RATE BEACON	MOD 1111-A/B-1-178/P2-4C0-0B-174 RATE BEACON	COMPOSITE-FACTORY 0000026	1700 FACTORY 0000026	001010 FACTORY 0000011	NO 1C NO 1C	TEA GENERAL PLANT TVA122001
FAILURE MODE-STATIC OPERATION. THE VOLTAGE PROPORTIONAL TO RATE BEACON WAS SHIPPED OUT & 11024 DURING THE TEST.	SYSTEM EFFECT-COMPOSITE BEACON BOARD.	VEHICLE EFFECT-VEHICLE BEACON.	COMPOSITE-FACTORY 01204 01204	001010 FACTORY 0000011	NO 1C NO 1C	TEA GENERAL PLANT TVA122001
SUB-SOURCE-5E MOD 1111-A/B RATE BEACON	MOD 1111-A/B-1-178/P2-4C0-0B-174 RATE BEACON	COMPOSITE-FACTORY 0000026	1700 FACTORY 0000026	001010 FACTORY 0000011	NO 1C NO 1C	TEA GENERAL PLANT TVA122001
FAILURE MODE-STATIC OPERATION. RECORDED THAT NORMAL VOLTAGE PROPORTIONAL TO RATE BEACON, INDICATED SWEEPING 6 BETWEEN NORMAL AND ZERO POSITION FROM 10 TO 100 SECONDS. THE RATE BEACON WAS FOUND TO BE FAULTY AND WAS REPLACED	SYSTEM EFFECT-COMPOSITE BEACON BOARD.	VEHICLE EFFECT-VEHICLE BEACON.	COMPOSITE-FACTORY 0000026	1700 FACTORY 0000026	NO 1C NO 1C	TEA GENERAL PLANT TVA122001
SUB-SOURCE-5E MOD 1111-A/B RATE BEACON	MOD 1111-A/B-1-178/P2-4C0-0B-174 RATE BEACON	COMPOSITE-FACTORY 0000026	1700 FACTORY 0000026	001010 FACTORY 0000011	NO 1C NO 1C	TEA GENERAL PLANT TVA122001
FAILURE MODE-OUT OF TOLERANCE. SOURCE RATE BEACON OUTPUT DEGENERATED.	SYSTEM EFFECT-COMPOSITE BEACON BOARD.	VEHICLE EFFECT-VEHICLE BEACON.	COMPOSITE-FACTORY 0000026	1700 FACTORY 0000026	NO 1C NO 1C	TEA GENERAL PLANT TVA122001
SUB-SOURCE-5E MOD 1111-A/B RATE BEACON	MOD 1111-A/B-1-178/P2-4C0-0B-174 RATE BEACON	COMPOSITE-FACTORY 0000026	1700 FACTORY 0000026	001010 FACTORY 0000011	NO 1C NO 1C	TEA GENERAL PLANT TVA122001
FAILURE MODE-OUT OF TOLERANCE. SOURCE RATE BEACON INFECTED.	SYSTEM EFFECT-COMPOSITE BEACON BOARD.	VEHICLE EFFECT-VEHICLE BEACON.	COMPOSITE-FACTORY 0000026	1700 FACTORY 0000026	NO 1C NO 1C	TEA GENERAL PLANT TVA122001
SUB-SOURCE-5E MOD 1111-A/B RATE BEACON	MOD 1111-A/B-1-178/P2-4C0-0B-174 RATE BEACON	COMPOSITE-FACTORY 0000026	1700 FACTORY 0000026	001010 FACTORY 0000011	NO 1C NO 1C	TEA GENERAL PLANT TVA122001
FAILURE MODE-OUT OF TOLERANCE. SOURCE RATE BEACON INFECTED.	SYSTEM EFFECT-COMPOSITE BEACON BOARD.	VEHICLE EFFECT-VEHICLE BEACON.	COMPOSITE-FACTORY 0000026	1700 FACTORY 0000026	NO 1C NO 1C	TEA GENERAL PLANT TVA122001
SUB-SOURCE-5E MOD 1111-A/B RATE BEACON	MOD 1111-A/B-1-178/P2-4C0-0B-174 RATE BEACON	COMPOSITE-FACTORY 0000026	1700 FACTORY 0000026	001010 FACTORY 0000011	NO 1C NO 1C	TEA GENERAL PLANT TVA122001

PAGE 6002

GENERAL - ELECTRICAL
COMPAIR DIVISION

10 JUN 1968

DIFFICULTIES WITH GUIDANCE SYSTEM-AISOME

SYSTEM	YEAR/REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE	VEHICLE	SITE	PRI	VEHICLE NAME	
		PART NUMBER	DATE DIF TIME	DIF ORTH	VEHICLE PART NO		
GUIDANCE-EE MOD 1116-A/0	AESG-0330/TC-450-01-02 FAILE BEACON	COMPOSITE-FACTORY	850	FACTORY	YES	GENERAL ELECTRIC	0007352
CORRECTIVE ACTION-REPLACED FAILE BEACON. (CORRECTIVE ACTION ON FAILE BEACON TERMINAL).		000330			NO	IC	
FAILE MODE-EISATIC OPERATION. ABOUT 10 SHORT RELATION DROPOUTS OF FAILE BEACON POWER WERE RECORDED. MANY OF THESE WERE REFLECTED IN THE MEASUREMENTS OF FAILE BEACON POWER, PHASE, AND ACC.							
STATION EFFECT-EISATIC OPERATION-ABOUT 10 BRIEF DROPOUTS OF RECORDED BEACON POWER WERE INDICATED.							
VEHICLE EFFECT-COMPOSITE RELATED.							
CORRECTIVE ACTION-HOT RADIUM. POST-COMPOSITE TESTS MADE IN EFFORT TO REPAIR THIS IRREGULARITY.							
GUIDANCE-EE MOD 1116-A/0	2N-1-8178/TC-300-03-11 TRANSMITTER, CONNECTOR	COMPOSITE-FACTORY	115	FACTORY	YES	GENERAL ELECTRIC	0001655
VEHICLE BEACON		000305			NO	IC	
FAILE MODE-ELECTRICAL OPEN. FAILE BEACON POWER INDICATIONS WERE FORCED ON TELEMETRY FROM EISATIC. FURTHER TESTING REVEALED THAT PIN A TO AEP-2 WAS NOT ENCLOSED.							
STATION EFFECT-EISATIC OPERATION.							
VEHICLE EFFECT-COMPOSITE RELATED.							
CORRECTIVE ACTION-FAILE BEACON WAS REPLACED. POST-COMPOSITE TESTING WAS SATISFACTORY.							
GUIDANCE-EE MOD 1116-A/0	AESG-0330/TC-0309-01-00-001 FAILE BEACON	COMPOSITE-FACTORY	850	FACTORY	YES	GENERAL ELECTRIC	0009132
VEHICLE BEACON		000313			NO	IC	
FAILE MODE-OUT OF TOLERANCE - VOLTAGE PROPORTIONAL TO FAILE BEACON ACC AT -30 DEG INTENRATION LEVEL WAS 125 VDC IN HEN 1.7 TO 3.1 VDC WAS EXPECTED. A TEMPERATURE SENSITIVE COMPONENT IN THE FAILE BEACON ACC TELDENTRY CONDITIONS C1 INSURTY WAS AT FAULAT.							
STATION EFFECT-NONE.							
VEHICLE EFFECT-NONE. SINCE THE FAILE BEACON WAS A FAILE BEACON AND ALL COMPOSITE CONDITIONS HAD BEEN MET, NO REPAIRS WERE NECESSARY.							
CORRECTIVE ACTION-THE FAILE BEACON WAS REACTED (VALVE CAN).							
GUIDANCE-EE MOD 1116-A/0	AESG-0330/TC-0309-00-001 FAILE BEACON, MAGNETON	COMPOSITE-FACTORY	140	FACTORY	YES	GENERAL ELECTRIC	0009131
VEHICLE BEACON		000313			NO	IC	
FAILE MODE-EISATIC OPERATION-FAILE BEACON MAGNETON CURRENT INDICATED AN ABNORMAL INCREASE AND RECORDED DRIVING COMP CORTE TEST.							

10 JUN 1968

GENERAL DYNAMICS
CONVAIR DIVISION

BIFC/T-115 REVIEW-PULSE BEACON SYSTEM-AIRCONE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIF DATA SOURCE PART NUMBER	VEHICLE DATE	SITE DIF TIME	BIFC/H	VEHICLE NAME VENDOR PART NO
SYSTEM EFFECT-ERRATIC OPERATION-PULSE BEACON CURRENT BECAME ERRATIC DURING TEST.						
VEHICLE EFFECT-COMPPOSITE RECHARGEABLE-BEAMER OF COMPOSITE NAME.						
CORRECTIVE ACTION-THE PULSE BEACON WAS REPLACED IN 1057344.						
SURFACE-SC MOD 1116-A/P PULSE BEACON	A102-00387/AR141-0-1-143/WFC-400-01- 136 PULSE BEACON, MAGNETRON	COMPOSITE-FACTORY 860731	1450 FACTORY	TEA GENERAL ELECTR NO IC 76093178	000047	
FAILURE MODE-FAIL DURING OPERATION. THE PULSE BEACON MAGNETRON CURRENT INDICATED AN INCREASE OF 40 FCT. DURING THE TEST. THIS CONDITION WAS CAUSED BY MAGNETRON ARCS.						
SYSTEM EFFECT-OPERATION TOO HIGH.						
VEHICLE EFFECT-COMPPOSITE RE-SCHEDULED. PULSE-COMPONENT TESTING REARMED.						
CORRECTIVE ACTION-NONE. THIS CONDITION WAS CONSIDERED ACCEPTABLE BECAUSE THE PULSE BEACON CARRIER WAS A SECOND TO ST GUY) CARRIER AND THE PROBLEM DID NOT RECUR ON A PULSE-COMPONENT TEST.						
SURFACE-SC MOD 1116-A/P PULSE BEACON	P2-400-04-145 PULSE BEACON, MAGNETRON	COMPOSITE-B FACT 860713	1450 12/6TR	TEA GENERAL ELECTR NO IC 76413492	000048	
FAILURE MODE-OUT OF SPECIFICATION. PULSE BEACON MAGNETRON CURRENT LEVEL WAS 13 FCT 1BM LOW THAN THAT MEASURED ON THE PREVIOUS TESTS.						
SYSTEM EFFECT-OPERATION TOO LOW. DECREASE IN MAGNETRON CURRENT OUTPUT CAUSED LACK OF CONFIDENCE IN SYSTEM.						
VEHICLE EFFECT-COMPONENT DELAYED.						
CORRECTIVE ACTION-PULSE BEACON REPLACED TO ASSURE SYSTEM CONFIDENCE.						
SURFACE-SC MOD 1116-A/P PULSE BEACON	A102-00477/2-AR141-01-145 PULSE BEACON, 62	COMPOSITE-NO/04/01 860732	1450 12/6TR	TEA GENERAL ELECTR NO IC 76093178	000049	
FAILURE MODE-FAIL DURING OPERATION-NONE PULSE BEACON WAS REPLACED BECAUSE RESULT OF THE LOOP TEST. UNSATISFACTOR" LOOP TEST MODE, 72.						
SYSTEM EFFECT-UNKNOWN.						
VEHICLE EFFECT-UNKNOWN.						
CORRECTIVE ACTION-REPLACED ONE PULSE BEACON.						

SAC 6024

GENERAL DYNAMICS
CONTINENTAL DIVISION

18 JUN 1964

DIFFICULTIES REVIEW-GUIDANCE SYSTEM-AIRBORNE

SYSTEM SUB-SYSTEM	TEST REPORT NUMBER FAILED COMPONENT NAME	CIF DATA SOURCE PART NUMBER	VEHICLE DATE DIP	SITE TIME DIP	PRI OTH	VEHICLE NAME VENDOR PART NO
GUIDANCE-SG MDD 1116-149	AP141-0-1-187/PC-400-01-124 PULSE BEACON	COMPOSITE-FACTORY 060305	FACTORY	1830	YES GENERAL ELECTRIC NO IC 7341001703	067432

FAILURE MODE-EMERGENCY OPERATION. CHANNEL 22 OF HIGH-SPEED RECORDER NO. 1 INDICATED 10 PERCENT INCREASES OF THE VOLTS BE PROPORTIONAL TO PULSE BEACON MAGNETRON CURRENT THREE TIMES DURING THE TEST. THE ACTION OF THE INCREASES WAS APPROXIMATELY 20 MILLISECONDS. THESE WERE ATTRIBUTED TO A FAULTY PULSE BEACON TRANSMITTER SECTION.

SYSTEM EFFECT-OPERATION TOO HIGH.

VEHICLE EFFECT-NONE.

CORRECTIVE ACTION-HIGH. THE PULSE BEACON INSTALLED WAS FOR GROUND TEST ONLY (STC) AND NO DATA WAS LOST, SO NO CORRECTIVE ACTION WAS CONSIDERED NECESSARY.

SYSTEM SUB-SYSTEM	TEST REPORT NUMBER FAILED COMPONENT NAME	VEHICLE DATE DIP	SITE TIME DIP	PRI OTH	VEHICLE NAME VENDOR PART NO	
GUIDANCE-SG MDD 1116-149	AP01-0-003/PC-400-00-124 GUIDANCE PULSE BEACON	FLIGHT	1810	18/ETR	YES GENERAL ELECTRIC NO IC 73410016	067432

FAILURE MODE-TAIL SWEEP OPERATION-AT 49.1 SECONDS THE PULSE BEACON AGC VOLTAGE DROPPED TO 2.8 VOLTS 0.5 VOLTS BELOW ZERO SIGNAL LEVEL. NO PULSE BEACON RETURN WERE DETECTED BY RADAR SUBSEQUENT TO THAT TIME.

SYSTEM EFFECT-JUMPER DISCRETE SIGNALS-DUE TO LACK OF TRACK INPUT DATA, THE GUIDANCE COMPUTERS COMPUTATIONS REMAINED IN FLIGHT 1 (SECO 1) AND THE COMPUTER LISTED NO DISCRETE OR STEERLINE COMMAND. DISCRETE SIGNALS WERE PROVIDED BY RAID GROUP PROTOTYPES.

VEHICLE EFFECT-IMPROPER TRAJECTORY-LACK OF GUIDANCE DISCRETE AND STEERING COMMANDS RESULTED IN EXCESS VELOCITY (2.1 FT/SEC) AT VEHICLE CRASH. IMPACT OF THE RANGER SHOOTING WAS NOT ACCOMPLISHED.

CORRECTIVE ACTION-VARIATION AND PHASE SHIFTING OF THE AIRBORNE GUIDANCE PACKAGES WAS INCREASED BY NEEDLESSNESS. USE PLATES.

SYSTEM SUB-SYSTEM	TEST REPORT NUMBER FAILED COMPONENT NAME	VEHICLE DATE DIP	SITE TIME DIP	PRI OTH	VEHICLE NAME VENDOR PART NO	
GUIDANCE-SG MDD 1116-149	AP141-0-1-187/PC-4-00-02-124 PULSE BEACON	COMPOSITE-FACTORY 061305	FACTORY	1830	YES GENERAL ELECTRIC NO IC 73410016	067432

FAILURE MODE-EMERGENCY OPERATION- RECORDER MODE 101/102 PULSE BEACON VOLTAGE NOT PROPORTIONAL TO MAGNETRON CURRENT. 1810 AT TWO REPORTS OF 9.1 SEC DURATION HAVING TEST.

SYSTEM EFFECT-EMERGENCY OPERATION-PULSE BEACON AND INTERRUPT MODE NOT HAVING TEST.

VEHICLE EFFECT-COMPOSITE MECHANISM. COMPOSITE RF-BAR.

CORRECTIVE ACTION-The PULSE BEACON PACKAGE WAS REPLACED.

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16 JUN 1968

GENERAL DYNAMICS
COMSTAR DIVISION

DIFFICULTIES REPORT-HIGHDANCE SYSTEM-AIRSCENE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER PAILED COMPONENT NAME	017 DATA SOURCE PART NUMBER	VEHICLE DATE/BY TIME	SITE TIME	RFI OTH	WEIRD PHENOMENON	FACTORY	TEA GENERAL ELECTRIC	NO. OF
ENTRANCE-SE NO. 1116-476 PULSE BEACON	AERO-0274/PFC-400-01-111 PULSE BEACON, MAGNETRON	COMPOSITE-FACTORY 1116 910508							699353
FAILURE MODE-FAIL-SILENT OPERATION-Numerous reports of the pulse beacon magnetron current were displayed on flight recorders due to a faulty pulse beacon.									
SYSTEM EFFECT-EMERGENT-INTERMITTENT OPERATION OF THE PULSE BEACON MAGNETRON-EMERGENT OPERATION OF BEACON COULD RESULT IN LOSS OF ENHANCE.									
VEHICLE EFFECT-COMPOSITE RE-BONDED. PULSE BEACON REPLACED AND COMPOSITE RE-BAL.									
CORRECTIVE ACTION-REPLACE FAULTY PULSE BEACON.									
ENTRANCE-SE NO. 1116-476 PULSE BEACON	AERO-0274/PFC-400-01-111 PULSE BEACON	COMPOSITE-FACTORY 1116 900007							390417
FAILURE-EMERGENT-FAULTS OPERATION-VARIATIONS OF RF POWER WERE INDICATED AND MAGNETRON CURRENT HAD VARIATIONS DUE TO A FAULTY BEACON.									
SYSTEM EFFECT-EMERGENT-ON-FAULTY BEACON CAUSED BY FAULT VARIATIONS.									
VEHICLE EFFECT-DE-FAULTE RELATED OR INDEXED-LED INDICATOR OF COMPOSITE FADED AFTER REPLACEMENT OF BEACON.									
CORRECTIVE ACTION-PULSE BEACON REPLACED.									
ENTRANCE-SE NO. 1116-476 PULSE BEACON	AERO-0274/PFC-400-01-111 PULSE BEACON	COMPOSITE-FACTORY 1116 910508							390418
FAILURE MODE-EMERGENT OPERATION-THE PULSE BEACON MAGNETRON CURRENT WAS EMERGENT AT 276 SUCCESS INDICATING PULSE BEACON UNLOCK. THIS RESULTED IN BEACON SWING COUNTER AND CLEAR SWING COUNTER READINGS BEING INEFFECTIVE. INVESTIGATION INDICATED THIS CONDITION WAS CAUSED BY A TEST EQUIPMENT MALFUNCTION.									
SYSTEM EFFECT-EMERGENT-FAULTY MODE CAUSES EMERGENT OPERATION OF AIRSCENE SYSTEM.									
VEHICLE EFFECT-COMPOSITE RE-BONDED.									
CORRECTIVE ACTION-RE-BAL.									
ENTRANCE-SE NO. 1116-476 PULSE BEACON	20-1-400/PFC-400-01-06 PULSE BEACON	COMPOSITE-FACTORY 1116 901911							390419
FAILURE MODE-FAIL-SILENT OPERATION-4 CLEAR SWINGS OCCURRED DURING THE 1000 MESSAGE PROGRAMMED STC BEACON TEST. 3 CLEAR SWINGS OCCURRED 1000 MESSAGE 200 ALIAS, CAUSE OF DISCREPANCY WAS UNKNOWN, HOWEVER, ACCELERATION INDICATED PULSE BEACON LAGE WAS SUSPECTED.									
SYSTEM EFFECT-EMERGENT-FAULTY MODE CAUSES 200 ALIAS SWINGS OCCURRED DURING STC BEACON TEST.									

15 JUN 1964

GENERAL AVIONICS
COMPUTER DIVISION

OFFICIAL TESTS REPROVEMENT REPORT-11116

SYSTEM DATA-SYSTEM	TEST REPORT NUMBER FAILED COMPUTER NAME	BIR DATA SOURCE DATA NUMBER	VEHICLE DATA DIP TIME	#112 TIME DIP	PRI VEHICLE NAME	SEC VEHICLE PART NO
905505						

VEHICLE EFFECT-COMPOSITE RELAYED OR RECEIVED. AN INTEGRATED FIX TEST WAS CONDUCTED.

CORRECTIVE ACTION-INTEGRATION 219 NOT REVEAL SOURCE OF THE PROBLEM. HOWEVER, SINCE THE ACCELERATION REGISTER WAS SUSPECT, THE PULSE SPACING PROFILE WAS RECALIBRATED. SUBSEQUENTLY 4 SUCCESSFUL TESTS WERE PERFORMED. THE DISCREPANCY WAS CONSIDERED ACCEPTABLE.

SYSTEM DATA-SYSTEM	TEST REPORT NUMBER FAILED COMPUTER NAME	BIR DATA SOURCE DATA NUMBER	VEHICLE DATA DIP TIME	#112 TIME DIP	PRI VEHICLE NAME	SEC VEHICLE PART NO
905505						

FAILURE MODE-EMERGENT OPERATION-NON-COMPUTER GENERATED ATTENDING COMMANDS OCCURRED AT 129.2 SECONDS. THESE COMMANDS RESULT FROM EXCESSIVELY NOisy INPUT SIGNALS TO THE PULSE BEACON CAUSED BY CHANGING LOOK ANGLE, PLANE PATTERN ATTENUATION, REFLECTIONS FROM THE BOOSTER SECTION AND OTHER TYPES OF INTERFERENCE.

SYSTEM EFFECT-IMPROPER ANALOG SIGNALS, BECAUSE OF THE NOisy INPUT SIGNAL TO THE PULSE BEACON, SLIGHT PITCH AND YAW ATTENDING COMMANDS WERE GENERATED, GENERATED BY THE VEHICLE/DECODER.

VEHICLE EFFECT-NONE-BECAUSE OF THE SMALL MAGNITUDE AND SHORT DURATION OF THESE COMMANDS, THE EFFECTS ON THE TRAJECTORY WERE NEGIGIBLE.

CORRECTIVE ACTION-NONE-DE 11116-AF0 CONCLUDED THAT THIS WAS NOT A SIGNIFICANT PROBLEM AND NO CORRECTIVE ACTION WAS NECESSARY.

SYSTEM DATA-SYSTEM	TEST REPORT NUMBER FAILED COMPUTER NAME	BIR DATA SOURCE DATA NUMBER	VEHICLE DATA DIP TIME	#112 TIME DIP	PRI VEHICLE NAME	SEC VEHICLE PART NO
905505						

FAILURE MODE-EMERGENT OPERATION-NON-COMPUTER GENERATED ATTENDING COMMANDS OCCURRED AT 131 SECONDS. THESE COMMANDS RESULT FROM EXCESSIVELY NOisy INPUT SIGNALS TO THE PULSE BEACON CAUSED BY CHANGING LOOK ANGLE, PLANE PATTERN ATTENUATION, REFLECTIONS FROM THE BOOSTER SECTION, AND OTHER TYPES OF INTERFERENCE.

SYSTEM EFFECT-IMPROPER ANALOG SIGNALS, BECAUSE OF THE NOisy INPUT SIGNAL TO THE PULSE BEACON, SLIGHT PITCH AND YAW ATTENDING COMMANDS WERE GENERATED, GENERATED BY THE VEHICLE/DECODER.

VEHICLE EFFECT-NONE-BECAUSE OF THE SMALL MAGNITUDE AND SHORT DURATION OF THESE COMMANDS, THE EFFECTS ON THE TRAJECTORY WERE NEGIGIBLE.

CORRECTIVE ACTION-NONE-DE 11116-AF0 CONCLUDED THAT THIS WAS NOT A SIGNIFICANT PROBLEM AND NO CORRECTIVE ACTION WAS NECESSARY.

SYSTEM DATA-SYSTEM	TEST REPORT NUMBER FAILED COMPUTER NAME	BIR DATA SOURCE DATA NUMBER	VEHICLE DATA DIP TIME	#112 TIME DIP	PRI VEHICLE NAME	SEC VEHICLE PART NO
905505						

FAILURE MODE-OUT OF TOLERANCE POSITION-EMERGENT OPERATION CAUSED ANOMALY, SECODER OPERATION.

SYSTEM EFFECT-EMERGENT OPERATION OF THE ANOMALY SECODER.

VEHICLE EFFECT-COMPOSITE SCLATER.

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GENERAL SOURCES
COUNTRON DIVISION

16 JUN 1968

BIRFOOT 116 REPAIRS-ORIGINATE SYSTEM-116C

STATION NO. 116	TEST/REPAIR NUMBER FAILED COMPONENT NAME	BIT DATA SOURCE PART NUMBER	VEHICLE	SITE	REL. NO.	TESTED NAME PART NO.
CORRECTIVE ACTION-CARRIER REPLACED.						
ENTRANCE-16 NO. 116-A-6	BP1A-011-116-400-00-03 DECODER	COUNTRON 600410	12/67N	NO SERIAL	SELECT 16	
ENTRANCE MODE-PRECISEURE OPERATION.	CARRIER DISCRETE 16 VELOCITY PACKAGE CARRIER INTERLOCK RECEIVED HIGH OR DISCRETE; E WAS EXPECTED.					
SYSTEM EFFECT-CARRIER DISCRETE SIGNALS.	ENTRANCE DISCRETE 16 VELOCITY PACKAGE CARRIER INTERLOCK RECEIVED HIGH OR DISCRETE; DISCRETE WAS EXPECTED.					
VEHICLE EFFECT-COUNTDOWN DELAYED.	24 MINUTE HOLD AND 40 MINUTE RETICLE. AGAIN CUTOFF RECEIVED.					
CORRECTIVE ACTION-CHANGED TRUCK ACCELERATION PROCEDURE.						
ENTRANCE-16 NO. 116-A-6	AP1A-011-116-400-00-02 DECODER	COMPOSITE-FACTORY 8500 850107	FACTORY, NO GENERAL ELECTR NO IC		999131	
FAILURE MODE-FAIL DURING OPERATION.	FAILURE DUE TO THE MULTI-DIGIT START NUMBER (116) NOT BEING RESET PRIOR TO 30 SECONDS.					
VEHICLE EFFECT-START.	THE DISCRETE RELAY FUNCTIONS COULD NOT BE ANALYZED.					
SYSTEM EFFECT-IMPROPER DISCRETE SIGNALS.						
VEHICLE EFFECT-CARRIER-16 RELATED.	COMPOSITE RETENTION WAS UNARMED.					
CORRECTIVE ACTION-The COMPOSITE TEST PROCEDURE WAS REVISED TO INSURE THE RETENTION OF THE MULTI-DIGIT START NUMBER OR TO COMPOSITE START.						
ENTRANCE-16 NO. 116-A-6	AP1A-011-116-400-00-10 DECODER	COMPOSITE-FACTORY 8500 850200	FACTORY, NO GENERAL ELECTR NO IC		999130	
FAILURE MODE-FAIL TO COUNT OPERATION AT PRESCRIBED TIME.	THE INPUT POSITIVE ENTRANCE SYSTEM SIGNAL FOR THE TOWER P ITCH WAS APPROXIMATELY 0.5 SECONDS LARGER THAN EXPECTED. THIS WAS CAUSED BY FAULTY FLIGHT CONTROL TEST PROGRAM IN TA PE.					
VEHICLE EFFECT-OPERATION TOO LONG.	RETAINER PITCH COUNTER LASTED 0.8 SECONDS TOO LONG. CAUSED BY FAULTY TEST TAPE.					
CORRECTIVE ACTION-PROBLEMMATIC TAPE WERE REPLACED.						

SOCIAL, DYNAMICS
COMBIN' DIVISION

16 JUL 1966

DISPATCHED TO VEHICLE-DISTANCE SYSTEM-A1E/C

BRIEFED SYSTEM	TESTED FAILED COMPONENT NAME	017 DATA SOURCE PART NUMBER	VEHICLE DATE B/F TIME B/F	017C TIME B/F	017 OPEN	VEHICLE NAME PART NO
GUIDANCE-02 NOB 1116-A1 DECODER	AM1116-A1-1287/PC-400-01-111 DECODER	COMPOSITE-FAC/TY 1210 611884	FACTORY	NO	GENERAL ELECTRIC 100016	NO IC

FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. CHANNEL 21 OF HIGHLIGHT RECORDER NO.2, MONITORING DISTANCE DISCRETE TO RELATED PITCH-UP TIME, WAS NOT RECEIVED DURING THE COMPOSITE. NOZ WAS NOT USED TO MONITOR THIS FUNCTION.

SYSTEM EFFECT-MODE:

VEHICLE EFFECT-COMPOSITE RE-SOURCE'D. POST-COMPOSITE TESTING RESUMED.

CONNECTIVE ACTION-THE NOZ WAS REMOVED TO MONITOR TRADE FUNCTIONS ON CHANNEL 21.

GUIDANCE-02 NOB 1116-A1 DECODER	AM1116-A1-1287/PC-400-01-111 DECODER	COMPOSITE-FAC/TY 1170 611886	12/3/66	TEL GENERAL ELECTRIC NO IC

FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. LOGIC TEST WAS NO-GO DUE TO DIFFICULTIES WITH THE SUBSTANTIAL INTEGRITY OF THE SUBSTANTIAL INTEGRITY.

NO COMMANDS SENT.

SYSTEM EFFECT-OPTIONAL MODES NOT START. NO SUBSTANTIAL INTEGRITY WAS SENT TO THE FLIGHT CONTROL SYSTEM.

VEHICLE EFFECT-COMPOSITE ISOLATED 43 MINUTES.

CONNECTIVE ACTION-DECODER REMOVED AND REPLACED. CONNECTIVE ACTION ON DECODER UNKNOWN.

GUIDANCE-02 NOB 1116-A1 DECODER	AM1116-A1-1287/PC-400-01-111 FLIP-FLOP	COMPOSITE-FAC/TY 1180 611883	FACTORY	NO	6-5, NO 702246568

FAILURE MODE-FAIL DURING OPERATION AN UNEXPECTED YAN STEERING SIGNAL CAUSED NEGATIVE TORQUE AT 117 SECONDS OF THE T. A FLIP-FLOP SWITC/H IN THE MESSAGE GENERATION PORTION OF THE SUBSTANTIAL INTEGRITY SET WAS FOUND TO BE DEFECTIVE.

SYSTEM EFFECT-IMPROPER ANALOG SIGNALS-DECODER OUTPUT WAS IMPROPER BECAUSE OF FAULTY MESSAGE GENERATION IN AM.

VEHICLE EFFECT-COMPOSITE ISOLATED. BOTH OF COMPOSITE WAS NOZ.

CONNECTIVE ACTION-FLIP-FLOP WAS REPLACED.

GUIDANCE-02 NOB 1116-A1 DECODER	AM1116-A1-1287/PC-400-01-111 DECODER	COMPOSITE	1170	12/3/66	NO GENERAL ELECTRIC NO IC

FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. SUBSTANTIAL INTEGRITY NOT RECEIVED BY APPROXIMATE PROGRAMMER.

SYSTEM EFFECT-IMPROPER MAGNETIC SIGNAL.

VEHICLE EFFECT-COMPUTATION MODES NOT RECEIVED. NO SUBSTANTIAL INTEGRITY WAS INSUFFICIENT TIME TO CORRECT PROGRAM TO NEXT L. APPROXIMATE SEARCH.

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14-JUL-1984

GENERAL DYNAMICS
COMPAK DIVISION

DIFFICULTIES NOTED-DURANCE SYSTEM-1800/ONE

SYSTEM	TEST/REPORT NUMBER FAILED COMPONET NAME	SIP DATA SOURCE PART NUMBER	VEHICLE DATE SIP	SITE TIME SIP	PIN TIME SIP	SOURCE NAME VENDOR PART NO
CORRECTIVE ACTION-LCDNOM.						
COMPAK-8C NOB 1111-A/B DECODER	AAS1-0080/PF-400-01-111	COMPOSITE-F90/D9P. 810710	1110 810710	18/ETR -12700	TE3 GENERAL ELECTRIC NO 1C	092820
FAILURE MODE-FAIL DURING OPERATION. FOUR TESTS OF THE LOOP TEST WERE NO-GO DUE TO RECODER PROBLEMS.						
SYSTEM EFFECT-EMERGIC OPERATION. FOUR NO-GO INDICATIONS FROM THE TEST CARD OCCURRED DURING THE LOOP TEST.						
VEHICLE EFFECT-COMPONET DELAYED. COUNT DOWN HOLD FOR 100 SEC AND ABORT DUE TO SEVERAL PROBLEMS.						
CORRECTIVE ACTION-HARDWARE RECODER.						
COMPAK-8C NOB 1111-A/B DECODER	AAS1-0084/PF-400-01-111	COMPOSITE-F FACTORY 810714	880 810714	FACTORY 010714	NO GENERAL ELECTRIC NO 1C	092821
FAILURE MODE-FAIL DURING OPERATION. ERTM/ECU PITCH COMMANDS WERE INFLICTED DURING THE COMPOSITE CHECKS AND ALSO DURING THE PROGRAMMED PORTION OF THE TEST. IT WAS BELIEVED THAT FAULTY SG CPS AND PMR REGULATION CAUSED UNSTABLE OPERATION OF THE TEST EQUIPMENT. ALSO PULSE BEACON AND TRANSMITTER CURRENT BACKUPS WERE INDICATED.						
SYSTEM EFFECT-EMERGIC OPERATION. UNSTABLE SWING AND TEST EQUIPMENT CAUSED DRAMATIC OPERATION OF A/P PULSE BEACON OUTPUT						
VEHICLE EFFECT-COMPONET REPROGRAMMING. COMPONET RESET WAS NECESSARY.						
CORRECTIVE ACTION-TEST TAPES WERE PROGRAMMED IMMEDIATELY AND ANOTHER COMPOSITE TEST PERFORMED.						
COMPAK-8C NOB 1111-A/B DECODER	AAS1-0148/PF-400-01-114	COMPOSITE-F FACTORY 810824	880 810824	FACTORY 010824	NO GENERAL ELECTRIC NO 1C	092822
FAILURE MODE-FAIL DURING OPERATION. ERTM/ECU PITCH COMMANDS WERE INFLICTED DURING THE COMPOSITE CHECKS AND ALSO DURING THE PROGRAMMED PORTION OF THE TEST. IT WAS BELIEVED THAT FAULTY SG CPS AND PMR REGULATION CAUSED UNSTABLE OPERATION OF THE TEST EQUIPMENT. ALSO PULSE BEACON AND TRANSMITTER CURRENT BACKUPS WERE INDICATED.						
SYSTEM EFFECT-EMERGIC OPERATION. UNSTABLE SWING AND TEST EQUIPMENT CAUSED DRAMATIC OPERATION OF A/P PULSE BEACON OUTPUT						
VEHICLE EFFECT-COMPONET REPROGRAMMING. COMPONET TEST HAD TO BE REHLD.						
CORRECTIVE ACTION-HARDWARE.						
COMPAK-8C NOB 1111-A/B DECODER	AAS1-0147/PF-400-01-114	COMPOSITE-F FACTORY 810826	880 810826	FACTORY 010826	NO GENERAL ELECTRIC NO 1C	092823
FAILURE MODE-FAIL DURING OPERATION. ERTM/ECU PITCH COMMANDS WERE INFLICTED DURING THE COMPOSITE CHECKS AND ALSO DURING THE PROGRAMMED PORTION OF THE TEST. IT WAS BELIEVED THAT FAULTY SG CPS AND PMR REGULATION CAUSED UNSTABLE OPERATION OF THE TEST EQUIPMENT. ALSO PULSE BEACON AND TRANSMITTER CURRENT BACKUPS WERE INDICATED.						
SYSTEM EFFECT-EMERGIC OPERATION. UNSTABLE SWING AND TEST EQUIPMENT CAUSED DRAMATIC OPERATION OF A/P PULSE BEACON OUTPUT						
VEHICLE EFFECT-COMPONET REPROGRAMMING. COMPONET TEST HAD TO BE REHLD.						
CORRECTIVE ACTION-HARDWARE.						
COMPAK-8C NOB 1111-A/B DECODER	AAS1-0148/PF-400-01-114	COMPOSITE-F FACTORY 810827	880 810827	FACTORY 010827	NO GENERAL ELECTRIC NO 1C	092824

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CENTRAL SERVICES

SPECTRAL PROPERTIES OF THE CANTOR SET

SYSTEM SUB-SECTION	TEST/REPORT / NUMBER FAILED COMPONENT NAME	SIP DATA SOURCE PART NUMBER	VEHICLE DATE DUE	SITE TIME SIP	INITIAL VOCABULARY CODES PART 1 TO CODES PART 2
VEHICLE EFFECT-COMPOSITE RECHARGEABLE-COMPOSITE RELAY AFTER READJUSTMENT OF TEST EQUIPMENT.					
COMPOSITE-AE NO 1116-474 DECODER	AEG-0-000177C-400-01-116 DECODER, AMP, FILTER	COMPOSITE-FACTORY 1116 FACTORY NO GENERAL, DECODER	1116-474 1116-474	FACTORY 1116-474 1116-474	COMPOSITE-AE NO 1116-474 FACTORY NO GENERAL, DECODER
COMPOSITE-AE NO 1116-474 DECODER	AEG-0-000177C-400-01-116 DECODER, AMP, FILTER	COMPOSITE-FACTORY 1116 FACTORY NO GENERAL, DECODER	1116-474 1116-474	FACTORY 1116-474 1116-474	COMPOSITE-AE NO 1116-474 FACTORY NO GENERAL, DECODER
VEHICLE EFFECT-OPERATION USE: NON START, DECODER FAILED TO TURN ON DISCRETE TO NIGHT CONTROL SYSTEM.	VEHICLE EFFECT-OPERATION USE: NON START, DECODER FAILED TO TURN ON DISCRETE TO NIGHT CONTROL SYSTEM.	VEHICLE EFFECT-OPERATION USE: NON START, DECODER FAILED TO TURN ON DISCRETE TO NIGHT CONTROL SYSTEM.	1116-474 1116-474	1116-474 1116-474	1116-474 1116-474
VEHICLE EFFECT-COMPOSITE RECHARGEABLE DIFFERENTIAL, AMPLIFIER.	VEHICLE EFFECT-COMPOSITE RECHARGEABLE DIFFERENTIAL, AMPLIFIER.	VEHICLE EFFECT-COMPOSITE RECHARGEABLE DIFFERENTIAL, AMPLIFIER.	1116-474 1116-474	1116-474 1116-474	1116-474 1116-474
COMPOSITE-ACTION-DECODER REPLACED.	COMPOSITE-ACTION-DECODER REPLACED.	COMPOSITE-ACTION-DECODER REPLACED.	1116-474 1116-474	1116-474 1116-474	1116-474 1116-474
VEHICLE EFFECT-COMPOSITE RELAY.					

Failure mode-FAIL or tolerance. The failure of the relating circuitry can cause output was out of tolerance.

08-10-01-100	08-10-01-100	08-10-01-100	08-10-01-100	08-10-01-100
DISCRETE-DECODED DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER

08-10-01-100	08-10-01-100	08-10-01-100	08-10-01-100	08-10-01-100
DISCRETE-DECODED DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER

Vehicle effect-composite decoder. Corrective action-None.

Vehicle effect-composite decoder. Corrective action-None.

Failure mode-FAIL or tolerance. The failure of the relating circuitry can cause output was out of tolerance.

08-10-01-100	08-10-01-100	08-10-01-100	08-10-01-100	08-10-01-100
DISCRETE-DECODED DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER

Failure mode-FAIL or tolerance. The failure of the relating circuitry can cause output was out of tolerance.

08-10-01-100	08-10-01-100	08-10-01-100	08-10-01-100	08-10-01-100
DISCRETE-DECODED DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER

Failure mode-FAIL or tolerance. The failure of the relating circuitry can cause output was out of tolerance.

Failure mode-FAIL or tolerance. The failure of the relating circuitry can cause output was out of tolerance.

Failure mode-FAIL or tolerance. The failure of the relating circuitry can cause output was out of tolerance.

08-10-01-100	08-10-01-100	08-10-01-100	08-10-01-100	08-10-01-100
DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER	DISCRETE-FACTORY DECODER

Date: 10/10/94
Serial: 1111-1111-1111-1111
Comments: Serial 1111-1111-1111-1111
Vehicle effect-decoder.

SIGNATURES NETWORK-INTERFACE SYSTEM-AIRBAG

10 JUN 1968
11:51

AEROSPACE R&D
COMM-FAR DIVISION

SUPERFLUOUS WIRELESS-AWARENESS SYSTEM-119028

SYSTEM 100-10101	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIP DATA SOURCE	VEHICLE PART NUMBER	SITE DATE BIP	POL TIME BIP	POLE CIR	VEHICLE PART NO
SYSTEM EFFECT-1-IMPROPER ANALOG SIGNALS-PROBLEMS RELATED TO THE ANTENNAE WERE NOT THE EXPECTED VALUES.							
VEHICLE EFFECT-1-COMPONENTS RELATED OR REASONED. AN INTEGRATED TEST HAS BEEN PERFORMED.							
CORRECTIVE ACTION-PITCH AND YAW DECODER OUTPUTS WERE NEGATED.							
SUBSTITUTE-1E HOD 1116-403 574-3-00-11 ANTENNA AND MANUFACTURE UNVERIFIED							
FAILURE MODE-A DEFICIENCY OF TRACK SIGNAL WAS NOTED AT THE HOD 1116 SOURCE STATION APPARENTLY DUE TO MECHANICAL FAIL- URE OF THE MANUFACTURE BETWEEN THE PLATE CUPPLER AND THE ANTENNA.							
SYSTEM EFFECT-1-OPERATION TOO LOW SURFACE OBJECTIVES FOR THE ADAMER OF THE PLATE MENS ACHIEVED AT 61% LEVELS AFFECTED BY TEL 1 2500 VOLTS NORMAL.							
VEHICLE EFFECT-NONE.							
CORRECTIVE ACTION-OPTION-ACTION GROUP 11-THE 600TH TEST 1406-1407.							
SUBSTITUTE-1E HOD 1116-403 500-10102-01-00-004 ANTENNA AND MANUFACTURE UNVERIFIED							
FAILURE MODE-ERRATIC OPERATION. NON-COMPUTER GENERATED STEERING COMMANDS OCCURRED AT 100 AND 130 SECONDS. THESE COM- MANDS RESULT FROM EXCESSIVELY NOisy INPUT SIGNALS TO THE PULSE BEACON CAUSED BY CHANGING LOOK ANGLE, BLAZANT PATTERNS A TTACHMENT, REFLECTIONS FROM THE BOOSTER SECTION AND OTHER TYPES OF INTERFERENCE.							
SYSTEM EFFECT-1-IMPROPER ANTENNA SIGNAL. BECAUSE OF THE NOisy INPUT SIGNAL TO THE PULSE BEACON, BLAZANT PITCH AND YAW STEERING COMMANDS WERE PROBABLY GENERATED BY THE WHICHEBONE DECODER.							
VEHICLE EFFECT-NONE. BECAUSE OF THE SIGNAL, MANUFACTURE AND SHORT DURATION OF THESE COMMANDS, THE EFFECTS ON THE TRAJEC- TORY WERE NOT OBSERVED.							
CORRECTIVE ACTION-NONE. G.T. WTM AF100 CONCLUDED THAT THIS WAS NOT A SIGNIFICANT PROBLEM AND NO CORRECTIVE ACTION WAS RECOMMENDED.							
SUBSTITUTE-1E HOD 1116-403 110-100-00-013 ANTENNA AND MANUFACTURE UNVERIFIED							
FAILURE MODE-ERRATIC OPERATION. LOOP TESTS FOR ADAM PRIMARY 1100 AND SOURCE 1100 CHECKS WERE UNSATISFACTORY IN A SIGHT. INDICATIONS OF EXCESSIVE CLOWNING OF SOURCE CLOWS AS WELL AS SOURCE 1100'S WERE RECEIVED.							
SYSTEM EFFECT-1-IMPROPER DISCRETE SIGNALS.							
VEHICLE EFFECT-1-COMPONENT RELATED AT 1-00 FOR APPROXIMATELY 30 MINUTES.							
CORRECTIVE ACTION-NONE. WHATSOEVER ACTIVITY LOOP TESTS MADE WERE RELATED AS INDEPENDEE TESTS OF THE VEHICLE FLOOR WERE REDUCED. A SECOND LOOP TEST							

CONNECTIVE ACTION-SEQUENCE WOULD SATISFY SENSITIVITY.

VEHICLE EFFECT-OPERATION AND LOG.

SYSTEM EFFECT-OPERATION AND LOG.

VALIDATE MODE-OUT OF CONNECTIVE TEST-FACE. THE FAULT MODE STATE PRACTICALLY COULD NOT BE ACCURATE DUE TO INSUFFICIENT INFORMATION OR CALIBRATION DATA, BUT OF SUPPORTED BY THE FAULT, OR ADVICE FROM OPERATOR AS LEARNED.

VEHICLE EFFECT-OPERATION AND LOG	SYSTEM EFFECT-OPERATION AND LOG	CONNECTIVE ACTION-SEQUENCE WOULD SATISFY SENSITIVITY.
VEHICLE EFFECT-OPERATION AND LOG	SYSTEM EFFECT-OPERATION AND LOG	CONNECTIVE ACTION-SEQUENCE WOULD SATISFY SENSITIVITY.

VEHICLE EFFECT-OPERATION AND LOG TEST NOT ON LOG CALLS.

SYSTEM EFFECT-OPERATION TEST NOT ON LOG TEST. BECAUSE OF CONNECTIVE MODE, SYSTEM LOGS NOT ON LOG CALLS. 1. ON LOG TEST.

FAULT MODE OUT OF CONNECTIVE TEST-FACE. FAULT MODE STATE PRACTICALLY COULD NOT BE ACCURATE DUE TO INSUFFICIENT INFORMATION OR CALIBRATION DATA, BUT OF SUPPORTED BY THE FAULT, OR ADVICE FROM OPERATOR AS LEARNED.

VEHICLE EFFECT-OPERATION AND LOG	SYSTEM EFFECT-OPERATION AND LOG	CONNECTIVE ACTION-SEQUENCE WOULD SATISFY SENSITIVITY.
VEHICLE EFFECT-OPERATION AND LOG	SYSTEM EFFECT-OPERATION AND LOG	CONNECTIVE ACTION-SEQUENCE WOULD SATISFY SENSITIVITY.

VEHICLE EFFECT-OPERATION AND LOG	SYSTEM EFFECT-OPERATION AND LOG	CONNECTIVE ACTION-SEQUENCE WOULD SATISFY SENSITIVITY.
VEHICLE EFFECT-OPERATION AND LOG	SYSTEM EFFECT-OPERATION AND LOG	CONNECTIVE ACTION-SEQUENCE WOULD SATISFY SENSITIVITY.

VEHICLE EFFECT-OPERATION AND LOG	SYSTEM EFFECT-OPERATION AND LOG	CONNECTIVE ACTION-SEQUENCE WOULD SATISFY SENSITIVITY.
VEHICLE EFFECT-OPERATION AND LOG	SYSTEM EFFECT-OPERATION AND LOG	CONNECTIVE ACTION-SEQUENCE WOULD SATISFY SENSITIVITY.

SYSTEM EFFECT-OPERATION.

FAULT MODE-OUT OF CONNECTIVE TEST-FACE. FAULT MODE STATE PRACTICALLY COULD NOT BE ACCURATE DUE TO INSUFFICIENT INFORMATION OR CALIBRATION DATA, BUT OF SUPPORTED BY THE FAULT, OR ADVICE FROM OPERATOR AS LEARNED.

VEHICLE EFFECT-OPERATION AND LOG	SYSTEM EFFECT-OPERATION AND LOG	CONNECTIVE ACTION-SEQUENCE WOULD SATISFY SENSITIVITY.
VEHICLE EFFECT-OPERATION AND LOG	SYSTEM EFFECT-OPERATION AND LOG	CONNECTIVE ACTION-SEQUENCE WOULD SATISFY SENSITIVITY.

DIFFICULTIES WITHIN-DEVICE SYSTEM-LEVEL

10 APR 1988
GENERAL INTEGRATION
COMMUNICATIONS

16 JUN 1988

81912411120 ENVIRONMENTAL SYSTEMS-1 INCIDENT

GENERAL STATUS
COMMITTEE STATUS

SYSTEM NO. 81912411120	TELEGRAM NUMBER FAILED COMPONENT NAME	BUSY DATA SOURCE PORT NUMBER	ACTIVE CIRCUIT PORT NUMBER	TIME OF DATE BEACON	FACTOR NO. 0.5.	TIME OF DATE BEACON	FACTOR NO. 0.5.
BEACON-DE MARS 11-1-A9 DATE BEACON AFTER AIR VEHICLE DE	80212411120-11-1-A9-0041-001-0-0 DATE BEACON	95110	7110	2-4/PLCS 1120 general electric DATE BEACON	C9975	95110	7110

FAILURE MODE- OUT OF TOLERANCE- RATE BEACON POWER WAS 1.5dB BELOW THAT OBTAINED DURING PREVIOUS MAINTENANCE AREA TEST. THE CAUSE WAS EXCESSIVE INJECTION LOSS OF THE 81912411120 AGC COMPONENTS INTERNAL TO THE AVE ON GENERATOR.

SYSTEM NO. 81912411120	TELEGRAM NUMBER FAILED COMPONENT NAME	BUSY DATA SOURCE PORT NUMBER	ACTIVE CIRCUIT PORT NUMBER	TIME OF DATE BEACON	FACTOR NO. 0.5.	TIME OF DATE BEACON	FACTOR NO. 0.5.
BEACON-DE MARS 11-1-A9 DATE BEACON	80212411120-11-1-A9-0041-001-0-0 DATE BEACON	95110	7110	2-4/PLCS 1120 general electric DATE BEACON	C9975	95110	7110

FAILURE MODE-LIST OF TOLERANCE- BEACON AND DATE BEACON BEING A LOGIC HIGH SIGNAL. THE DATE BEACON INDICATES A SHIFT. LOOSE THAN NORMAL R.F. OUTPUT PROVIDED BY A 3125E INDICATOR TO SHIFT.

SYSTEM EFFECT-OPERATION TO LOST.

VEHICLE EFFECT-NONE.

CORRECTIVE ACTION- RE-EATE BEACON CABLES AND REPLACED.

SYSTEM NO. 81912411120	TELEGRAM NUMBER FAILED COMPONENT NAME	BUSY DATA SOURCE PORT NUMBER	ACTIVE CIRCUIT PORT NUMBER	TIME OF DATE BEACON	FACTOR NO. 0.5.	TIME OF DATE BEACON	FACTOR NO. 0.5.
BEACON-DE MARS 11-1-A9 DATE BEACON	80212411120-11-1-A9-0041-001-0-0 DATE BEACON	95110	7110	2-4/PLCS 1120 general electric DATE BEACON	C9975	95110	7110

FAILURE MODE-FAIL TO OPERATE AT REQUESTED TIME. NO POWER AT REQUESTED TIME.
DISCHARGE TEST NOT SHIFTED.

SYSTEM EFFECT-INDICATOR AMPLIFIER BIAS.

VEHICLE EFFECT-NONE.

CORRECTIVE ACTION- RE-EATE BEACON CABLES AND REPLACED.

SYSTEM NO. 81912411120	TELEGRAM NUMBER FAILED COMPONENT NAME	BUSY DATA SOURCE PORT NUMBER	ACTIVE CIRCUIT PORT NUMBER	TIME OF DATE BEACON	FACTOR NO. 0.5.	TIME OF DATE BEACON	FACTOR NO. 0.5.
BEACON-DE MARS 11-1-A9 DATE BEACON	80212411120-11-1-A9-0041-001-0-0 DATE BEACON	95110	7110	2-4/PLCS 1120 general electric DATE BEACON	C9975	95110	7110

FAILURE MODE-FAIL TO OPERATE AT REQUESTED TIME. NO POWER AT REQUESTED TIME.

SYSTEM EFFECT-OPERATION DOES NOT START.

VEHICLE EFFECT-CONTINUOUSLY FAULTED.

CORRECTIVE ACTION-RE-EATE BEACON CABLES. WAIT 5IN FOR STABILITY.

GENERAL FINANCIALS
COMPAIR DIVISION

10 JUN 1988

DIFFICULTIES WITH-SURFACE SYSTEM-11/48

SYSTEM NUMBER		TEST/REPORT NUMBER	DEFECTIVE COMPONENT NAME	PLATE NUMBER	DATE DEFECTED	DEFECTIVE DIP TIME BIP	ON VEHICLE TEST	IN VEHICLE TEST
ENTRANCE-GE NAME 11-A/8	11-A/8	11-A/8-06-210	DATE BEACON	111124	11-06-1988	A-1707-174	NO	NO
ENTRANCE-GE NAME 11-A/8	11-A/8	11-A/8-06-210	DATE BEACON	111124	11-06-1988	A-1707-174	NO	NO
FAILURE MODE-EMERGIC OPERATION OF THE RATE BEACON OCCURRED.								
SYSTEM EFFECT-OPERATION TOO LOW. RATE BEACON SP OUTPUT POWER WAS 1.0V.								
VEHICLE EFFECT-COMPONENT RELOCATED.								
CORRECTIVE ACTION-RATE BEACON REPLACED.								
ENTRANCE-GE NAME 11-A/8 11-A/8-06-210/ RATE BEACON								
DATE BEACON								
FAILURE MODE-EMERGIC OPERATION. RATE BEACON VOLTAGE PROPORTIONAL TO RATE BEACON SP POWER OUTPUT VARIED FROM 0.8-0.9 TO 4.2 VOL.								
SYSTEM EFFECT-EMERGIC OPERATION.								
VEHICLE EFFECT-NONE.								
CORRECTIVE ACTION-RATE BEACON REPLACED.								
ENTRANCE-GE NAME 11-A/8 11-A/8-06-210/ RATE BEACON								
DATE BEACON								
FAILURE MODE-FAIL DURING OPERATION. INSTANTANEOUS RATE BEACON SPOTTER SHEDD VOLTAKE. A ONE VOLT POSITIVE INCREASE FROM THE DC LEVEL WAS ESTABLISHED WHEN NO SHIFT IN DC LEVEL IS NORMAL WHILE SLEEPING.								
SYSTEM EFFECT-EMERGIC OPERATION.								
VEHICLE EFFECT-NONE.								
CORRECTIVE ACTION-THE RATE & ALTIMETER RATE BEACON WAS REPLACED.								
ENTRANCE-GE NAME 11-A/8 11-A/8-06-210/ RATE BEACON: RATE DETECTOR								
DATE BEACON								
FAILURE MODE-OUT OF TOLERANCE. THE RATE DETECTOR OUTPUT SIGNAL WAS LOCATED AND THE VP INDICATED 1.4V VOLC AFTER THE APPLICATION OF POWER AND REMAINED AT THIS LEVEL DURING THE LOOP TEST. THIS MEASUREMENT INDICATED 0.8 VOLC DURING ALL PREDICTION TESTS.								
SYSTEM EFFECT-OPERATION 100 VOLC. PEAK VOLTAGE SPOTTER LAY ON THE TRANSMITTER FAIRLY SMOOTH.								
VEHICLE EFFECT-NONE.								

GENERAL - MECHANIC
COMMUNICATION

15 JULY 1968

BURGESS-AEROSPACE-GENERAL ELECTRIC

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIP DATA SOURCE PART NUMBER	VEHICLE DATE SHIP	SITE TIME SHIP	POL	VEHICLE NAME WIRE NUMBER PART ON
BUSSARD-E SYSTEM 11-A/B RATE BEACON	BUSSARD-E-001/11-A-00-300 RATE BEACON	Flight	040519 16	040519 16	NO IC	GENERAL ELECTRIC 95419194
BUSSARD-E SYSTEM 11-A/B RATE BEACON	BUSSARD-E-001/11-A-00-300 RATE BEACON	Flight	040519 16	040519 16	NO IC	GENERAL ELECTRIC 95419194
FAILURE MODE-EMERGENT OPERATION. THE RATE BEACON TRANSIT PHASE DETECTOR MEASUREMENT INDICATED AN ABNORMAL VARIATION IN AMPLITUDE BETWEEN 15 SECONDS AND 200. IT COULD NOT BE DEFINITELY ESTABLISHED WHETHER THIS WAS A SYSTEM OR INSTRUMENTATION ANOMALY.	CORRECTIVE ACTION-BEACON REPLACED. THE VARIANCE COUNTER WAS SET TO TRIGGER TO RATE BEACON OPERATION.	BUSSARD-E SYSTEM 11-A/B RATE BEACON	040519 16	040519 16	NO IC	GENERAL ELECTRIC 95419194
FAILURE MODE-EMERGENT OPERATION. THE RATE BEACON TRANSIT PHASE DETECTOR MEASUREMENT INDICATED AN ABNORMAL VARIATION IN AMPLITUDE BETWEEN 15 SECONDS AND 200. IT COULD NOT BE DEFINITELY ESTABLISHED WHETHER THIS WAS A SYSTEM OR INSTRUMENTATION ANOMALY.	CORRECTIVE ACTION-HOME. THE VARIANCE COUNTER WAS SET TO TRIGGER TO RATE BEACON OPERATION.	BUSSARD-E SYSTEM 11-A/B RATE BEACON	040519 16	040519 16	NO IC	GENERAL ELECTRIC 95419194
FAILURE MODE-EMERGENT OPERATION. NORMAL VOLTAGE VARIATIONS WERE NOTED DURING LOOP TESTS.	CORRECTIVE ACTION-NO EFFECT.	BUSSARD-E SYSTEM 11-A/B RATE BEACON	040519 16	040519 16	NO IC	GENERAL ELECTRIC 95419194
FAILURE MODE-OUT OF TOLERANCE. NORMAL VOLTAGE VARIATIONS WERE NOTED DURING LOOP TESTS.	CORRECTIVE ACTION-NO EFFECT.	BUSSARD-E SYSTEM 11-A/B RATE BEACON	040519 16	040519 16	NO IC	GENERAL ELECTRIC 95419194
SYSTEM EFFECT-EMERGENT OPERATION. RATE BEACON VOLTAGES INADEQUATE TO THE IN POWER SUPPLY AND THE TRANSMITTER POWER DETECTOR WERE EMERGENT.	CORRECTIVE ACTION-THE RATE BEACON WAS REPAIRED.	BUSSARD-E SYSTEM 11-A/B RATE BEACON	040519 16	040519 16	NO IC	GENERAL ELECTRIC 95419194
FAILURE MODE-FAIL DURING OPERATION - THE RATE BEACON REMAINED INOPERATIVE AFTER POWER CHANGER TO INTERNAL SYSTEM EFFECT-OPERATION STARTS TOO LATE. VEHICLE EFFECT-COMPLETE OR RECODED - PARTIAL COMPOSITE TEST WAS PERFORMED.	CORRECTIVE ACTION-THE RATE BEACON WAS REPAIRED.	BUSSARD-E SYSTEM 11-A/B RATE BEACON	040519 16	040519 16	NO IC	GENERAL ELECTRIC 95419194
VEHICLE EFFECT-COMPONENT FAIL.	CORRECTIVE ACTION-THE RATE BEACON WAS REPAIRED.	BUSSARD-E SYSTEM 11-A/B RATE BEACON	040519 16	040519 16	NO IC	GENERAL ELECTRIC 95419194
FAILURE MODE-FAIL DURING OPERATION. THE RATE BEACON SIGNAL RECEIVED AT THE SECOND MASTERCLOCK STATION WAS LOST AT LIFT OFF.	CORRECTIVE ACTION-THE RATE BEACON WAS REPAIRED.	BUSSARD-E SYSTEM 11-A/B RATE BEACON	040519 16	040519 16	NO IC	GENERAL ELECTRIC 95419194
VEHICLE EFFECT-OPERATION STARTS TOO EARLY. THE RATE BEACON SIGNAL RECEIVED AT THE SECOND MASTERCLOCK STATION WAS LOST AT LIFT OFF.	CORRECTIVE ACTION-THE RATE BEACON WAS REPAIRED.	BUSSARD-E SYSTEM 11-A/B RATE BEACON	040519 16	040519 16	NO IC	GENERAL ELECTRIC 95419194

PHM 5037

BIFURCATED REVIEW-GUARANTEE SYSTEM-AIRCRAFT

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	CIR DATA SOURCE PART NUMBER	VEHICLE	SITE DATE/2001 TIME 0700	PDI 0TH VEHICLE PART NO	VEHICLE NAME PART NO
VEHICLE EFFECT-NODE, FLIGHT 140 PREDETERMINED TERMINATED DUE TO THE HYDRAULIC PROBLEM SUCH THAT EFFECTS OF AN IDLEANCE RATE BEACON WAS NOT EVIDENT.						PER1063
CORRECTIVE ACTION-THE RATE BEACON COAXIAL CABLE INSTALLATION WAS REDESIGNED AND VIBRATION INSITUIMENTATION ON THE RA TE AND PULSE BEACON WAS ADDED.						
GUARANTEE-NODE MODE-11-A/S RATE BEACON	A8003-001-1177C-C0-03-0271-001 RATE BEACON	COMPOSITE-FACTORY 00-20004	FACTORY 7301	TEA GENERAL ELECTRIC NO IC 764191364		
FAILURE MODE-FAILURE BURSTING OPERATION - RATE BEACON OUTPUT POWER OSCILLATED DURING THE TEST INDICATING AN UNLOCKED CONDITION.						
SYSTEM EFFECT-GUARANTEE OPERATION - UNBLOCK CONDITION.						
VEHICLE EFFECT-COMPOSITE RE-SCHEDULED, SYSTEMS LEVEL AND COMPOSITE RE-TEST REQUIRED.						
CORRECTIVE ACTION-REDESIGNED AND REPLACE RATE BEACON.						
GUARANTEE-NODE MODE 11-A/S RATE BEACON-CIRAX	A803-0003-7307C-C0-01-0006-001 RATE BEACON-CIRAX	COMPOSITE-FACTORY 0003000	FACTORY 730	TEA GENERAL ELECTRIC NO IC 694822		
FAILURE MODE-OUT OF TOLERANCE. THE RATE BEACON SENSITIVITY WAS 0.0 20 BELOW THE DESIRED VALUE.						
SYSTEM EFFECT-OPERATION 1-30 LOW.						
VEHICLE EFFECT-COMPOSITE RE-SCHEDULED. POST-COMPOSITE TESTING WAS REQUIRED.						
CORRECTIVE ACTION-A FAULTY COAXIAL CABLE FITTING WAS REPLACED.						
GUARANTEE-NODE MODE 11-A/S RATE BEACON	L4077/L4-000-01-001 RATE BEACON	COMPOSITE-PROVPL 000101	PALC-1/AU TEA GENERAL ELECTRIC 73 TEA IC	00-2487		
FAILURE MODE-FAIL DURING OPERATION. THE RATE BEACON OF NODE CIRAX WAS LOW FOR A MINUTES 29.7 SECONDS AFTER GUARD CE POSITION WAS INITIATED.						
SYSTEM EFFECT-OPERATION STOPPED -T. LOSS OF ENTHARGE CONTROL.						
VEHICLE EFFECT-COMPOSITE ADVICE TO 40 RECOMMENDED.						
CORRECTIVE ACTION-ENTHARGE COUNTERS REPLACED.						

10 JUN 1998

GENERAL DYNAMICS
COMSAT DIVISION

SIGHTING TEST-BEACON SYSTEM-AISOREC

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIP DATA SOURCE PART NUMBER	VEHICLE DATE OF FMT	SITE TIME OF FMT	P/I OTH	PILOT NAME	VEHICLE NAME PART NO
GUIDANCE-SE MARK 11-A/B RATE BEACON	DATA/11-A/00-00-109 BURNDOWN RATE BEACON	COMPOSITE-FBD/DMR 610901	1-17/98 10:15 AM	1-17/98 10:15 AM	NO TC	NO PILOT	NO VEHICLE
FAILURE MODE-EARTH STATIC OPERATION. RATE BEACON OUTPUT POWER WAS ERATIC.							
SYSTEM EFFECT-EARTH STATIC OPERATION.							
VEHICLE EFFECT-NONE.							
CORRECTIVE ACTION-COMBOINER REPLACED.							
FAILURE MODE-EARTH STATIC OPERATION. COMBOINER STATION COULD NOT LOCK ON TO EARTH DURING LOOP TEST.							
SYSTEM EFFECT-EARTH STATIC OPERATION. SECOND EARTH STATION COULD NOT LOCK ON TO EARTH DURING LOOP TEST.							
FAILURE MODE-EARTH STATIC OPERATION. DATA INDICATED PULSE BEACON MESSAGE DURING THE TEST. THIS MESSAGE ALSO WERE EMITTED BY THE SECOND EARTH STATION.							
CORRECTIVE ACTION-REPLACED COMBINE.							
VEHICLE EFFECT-COMBOINER REPLACED.							
CORRECTIVE ACTION-PULSE BEACON REPLACED.							
GUIDANCE-SE MARK 11-A/B PULSE BEACON	DATA/11-A/00-01-123 PULSE BEACON	COMPOSITE-FBD/DMR 610901	1-17/98 10:15 AM	610901	NO TC	NO PILOT	NO VEHICLE
FAILURE MODE-FAIL TO OPERATE AT DESIGNATED TIME. EARTH STATION COULD NOT DETECT BEACON TRIGGER FROM BEACON.							
SYSTEM EFFECT-EARTH STATION DOES NOT START. EARTH STATION STARTS OPERATION DURING LOOP TEST.							
VEHICLE EFFECT-COMBOINER REPLACED.							
CORRECTIVE ACTION-PULSE BEACON REPLACED.							

PAGE 9010

15 JUL 1996

GENERAL DYNAMICS
COMSAT DIVISION

BIPOLAR TES REVISED SEQUENCE ATTEMPT-4 BEACON

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER	81P BASE SOURCE	VEHICLE	SITE	PRI	VEHICLE NAME
DATE DFT/TIME	DIF	OTH	VEHICLE PART NO			
SUBDANCE-02 NAME 11-170 PULSE BEACON	81040704-047/25.11-3 7100 PULSE BEACON, MAGNETACH	P1017	7100 6500023	2-4/PALC TES GENERAL ELECTR	00005	
FAILURE MODE-DRIFT. THE PULSE BEACON MAGNETACH AND VEHICLE CURRENT INDICATED AN /SIGNAL RISE IN VALUE AT 107.701 AND 107.304 SECONDS.						
SYSTEM EFFECT-HOME.						
VEHICLE EFFECT-HOME.						
CORRECTIVE ACTION-NONE.						
SUBDANCE-02 NAME 11-170 PULSE BEACON	P11-001-100-100 PULSE BEACON	COUNTDOWN 000100	1000 000000	B-1/PALC TES GENERAL ELECTR	00075	
FAILURE MODE-FAIL DURING OPERATION. LOAD TEST WAS NO-00.						
SYSTEM EFFECT-IMPROVE ANALOG SIGNALS GENERATED BY THE PULSE BEACON. IT PROVIDED A GROUND SEQUENCE LOCK.						
VEHICLE EFFECT-COUNTDOWN AGAIN TEST.						
CORRECTIVE ACTION-BEACON REPLACED.						
SUBDANCE-02 NAME 11-170 PULSE BEACON	A103-0001-790/7C-00-01-0000-000	COMPOSITE-FACTORY PULSE BEACON	780 00000	FACTORY NO GENERAL ELECTR	00016	
FAILURE MODE-OUT OF TOLERANCE. THE PULSE BEACON SENSITIVITY WAS 7.0 DE BELOW THE SELECTED VALUE.						
SYSTEM EFFECT-OPERATION TOO LONG.						
VEHICLE EFFECT-COMPOSITE RESCHEDULED. POST-COMPOSITE TESTING WAS RESCHEDULED.						
CORRECTIVE ACTION-THE ERROR WAS THE RESULT OF INADEQUATE TOLERANCE OF THE AIR ATTACHMENT FOR 01A. NO CORRECTIVE ACTION TA DESI.						
SUBDANCE-02 NAME 11-170 PULSE BEACON	A102-0103/7B-000-01-107	CANBUS/TES-PALC TES PULSE BEACON	1070 000000	B-2017 TES GENERAL ELECTR	00016	
FAILURE MODE-DRAMATIC OPERATION. INTENDED TEST TRACK LOCK ALARM.						
SYSTEM EFFECT-DRAMATIC OPERATION.						
VEHICLE EFFECT-COMPOSITE RELATED.						
CORRECTIVE ACTION-PULSE AND RATE RESOURCES. RESOURCES ADJUSTED.						

PAGE ONE

16 JUN 1986

GENERAL DYNAMICS
COMAR 816103

BIPOLARITIES REVERT-GUIDANCE SYSTEM-ALSCON

SYSTEM NO. SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIP DATA SOURCE PART NUMBER	VEHICLE DATE FIR/TIME	SITE DIF/OTR	PAL NO. IC	VEHICLE NAME WEIGHT PART NO	SYSTEM
GUARD-SE MARK 11-4-8 PULSE BEACON	AGRI-COMPC-4CO-93-108 PULSE BEACON, PARAMETRIC	COMPOS-11-FACTORY	1980 311108	FACTORY	NO	GENERAL ELECTRIC 694122394	
Failure mode-pulse during operation-a drop-out of the pulse beacon magnetron current was experienced at the start of the composite test. Dropout believed to be caused by loading of the resonance resistors of the second eastpoint when the subsurface pen recorder was programmed to start.							
SYSTEM EFFECT-ELECTRIC OPERATE-ON-DROP-OUT OF BEACON WILL CAUSE LOSS OF SURFACE TRACKING. VEHICLE EFFECT-RE-SCHEDULED-POST COMPOSITE TESTS WAS CONDUCTED TO DETERMINE CAUSE. DROF OUT COULD NOT BE REPEATED.							
CORRECTIVE ACTION-BEACON RETURN TO ORIGINAL ELECTRIC DEPOT FOR FURTHER TESTING.							
GUARD-SE MARK 11-4-8 PULSE BEACON	AGRI-COMPC-4CO-93-108 PULSE BEACON, PARAMETRIC	COMPOS-11-FACTORY	1980 010001	1-1980-TEC	YES	GENERAL ELECTRIC 694122394	
FAILURE MODE-ELECTRIC OPERATION OF THE PULSE BEACON MAGNETRON CURRENT.							
SYSTEM EFFECT-ELECTRIC OPERATION.							
VEHICLE EFFECT-NONE.							
CORRECTIVE ACTION-CANISTER REPLACED.							
GUARD-SE MARK 11-4-8 PULSE BEACON	AGRI-0769/L1-408-00-37 PULSE BEACON	FLIGHT	STD	PALC-2	YES	GENERAL ELECTRIC 694021	
Failure mode-failed during operation. Two possibilities of failure were 1. internal physical damage in pulse and/or receiver units caused by shocks and a acceleration associated with missile l/o and boost phase. 2. intermittent, null or jamming L/O signal emanating from missile/vehicle combination.							
SYSTEM EFFECT-ELECTRIC OPERATION. SIGNAL STRENGTH OF BEACON PHASE BETWEEN L/O AND MAJOR PART OF BOOSTER PHASE FLUCTUATED BETWEEN WIDE LIMITS WITH INTERVALS OF COMPLETE DISAPPEARANCE. BY 106 SECONDS THE SIGNAL COMPLETELY DISAPPEARED AND REMAINED IN SILENCE FOR 11 SECONDS AND AT 118 SECONDS WAS SLAVED TO OPTICAL TRACER. COMPUTER DID NOT GENERATE AN ALARM INDICATING OR STEERING COMMANDS. ALL SIGNALS SUPPLIED BY APP PROG. BACKUP PROVISIONS AND OTHER BACUP PROVISIONS.							
VEHICLE EFFECT-NONE. OPERATION OF ATLAS BOOSTER WAS SATISFACTORY IN ACCOMPLISHING ITS MISSION DESPITE THIS FAILURE.							
CORRECTIVE ACTION-IMPROVEMENT CONCERNING WHICH VEHICLE SOURCE (L/O OR PATHO) WERE RADIATING SPurious SIGNALS PRIOR TO L/O AND DURING BOOST OPERATION. ALSO ASSESSMENT SOURCE OF SUSCEPTIBILITY OF PULSE BEACON AND RADAR EQUIP. TO INTERFERING RADIATION AT VARIOUS POWER LEVELS.							

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GENERAL MECHANICS
COMPAIR DIVISION

DIFFICULTIES REVIEW-GUIDANCE SYSTEM-AIRBORNE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DISP DATA SOURCE PART NUMBER	VEHICLE DATE DISP TIME	SITE TIME	FAC OR OTHER VENDOR PART NO	VENOR NAME
GUIDANCE-GE MARK 11-4/A PULSE BEACON	DATA 103-03-40D-01-53 PULSE BEACON, CONNECTOR	COMPOSITE-FACTORY	ESD 600019	3700-8/V TES	GENERAL ELECTRIC NO 1C	600723
FAILURE MODE-FAILED TO OPERATE AT PRESCRIBED TIME. LOOSE CONNECTOR CAUSING LOSS OF CONTROL.						
SYSTEM EFFECT-OPERATION DOES NOT START. GUIDANCE COLD NOT LOCK-ON.						
VEHICLE EFFECT-COMPOSITE DELAYED.						
CORRECTIVE ACTION-UNWIRE, RECONNECT.						
GUIDANCE-GE MARK 11-4/A DECODER	81-440-01-125 DECODER	COMPOSITE-PRO-FACTORY	1250 650013	B-1/4700 TES	GENERAL ELECTRIC YES 1C	600726
FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. GUIDANCE STATION COULD NOT DETECT BEACON TRIGGER FROM DECODER.						
SYSTEM EFFECT-OPERATION DOES NOT START. DYNAMIC SURFACE SYSTEM OPERATION DURING LOOP TEST.						
VEHICLE EFFECT-COMPOSITE DELAYED.						
CORRECTIVE ACTION-RECONNECT RECODER.						
GUIDANCE-GE MARK 11-4/A DECODER	60C-3001-034-714-704-02-7111 DECODER	FLIGHT	7111 650003	2-4/PALC NO	GENERAL ELECTRIC 600723	600723
FAILURE MODE-DYNAMIC OPERATION. DYNAMIC RANGE RATE DATA JUMPS WHEN PRESENT IN THE DATA SUPPLIED TO THE GROUND COMPUTER BY THE GROUND RADIO FROM 100 SECONDS, THROUGH THE END OF SURFACE OPERATION. THE PROBLEM WAS ISOLATED TO TWO INTEGRALITY-OPERATING DIODES IN THE 72222 SUBASSEMBLY OF THE DATA EXTRACTION CABINET.						
SYSTEM EFFECT-NONE. THE DATA EDITING CAPABILITY OF THE COMPUTER REPLACED THIS ERRONEOUS RANGE RATE DATA WITH DIFFERENTIATED TRACK DATA.						
VEHICLE EFFECT-NONE.						
CORRECTIVE ACTION-THE 72222 SUBASSEMBLY WAS REPLACED AND THE SYSTEM REVALIDATED.						
GUIDANCE-GE MARK 11-4/A DECODER	80C-3001-031-40-70C-00-01-0071-014 DECODER	FACTORY	7114 650712	NO GENERAL ELECTRIC NO 1C		
FAILURE MODE-FAILED TO OPERATE AT PRESCRIBED TIME. GUIDANCE DISCRETE INITIATE SEPARATION SEQUENCE RELAY 4 FAILED TO ACTIVATE AT +240 SECONDS AS EXPECTED. GUIDANCE TAPE WAS ONE ADVANCE LATE. REQUIREMENT TO SETUP OF RELAY 4 AT +240 SECONDS.						
SYSTEM EFFECT-COMPONENT IS BE-INCOMPATIBLE. POST-COMPOSITE TESTING REQUIRED. FLIGHT CONTROL PROGRAMMER DIS NOT ISSUE 100						
VEHICLE EFFECT-IMPROPER DISCRETE SIGNALS.						
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GENERAL DYNAMICS

COMPAIR DIVISION

BIFURCATION TEST-14-GUIDANCE SYSTEM-HIGHWAY

16 JUN 1964

SYSTEM SUB-SYSTEM	TEST/INSTRUMENT NUMBER FAILED COMPONENT NAME	DIP DATA SOURCE PART NUMBER	VEHICLE PART NUMBER	RATE DIP	RATE DIP	PRI TIME DIP	PRI TIME DIP	VEHICLE NAME SUBSYSTEM PART NO
GPS-1	DISCRETE DUE TO THIS GUIDANCE TAPE PROBLEM.							
GPS-1	CORRECTIVE ACTION-BETTER GUIDANCE TAPE PROPERTY.							
GPS-1	GUIDANCE-14-MAR 11-A/B DECODED, POWER SUPPLY	804-A/PZ74-029/11-102-00-216	FLIGHT	2120	41/302	723 GENERAL ELECTRIC	604769	604767
GPS-1	FAILURE MODE-EMERGENT. ALL DECODED INSTRUMENTATION ELEMENTS EXHIBITED A SHARP MOMENTARY DROP AT 121.3 SECONDS. PROBLEM ATTRIBUTED TO RECORDER POWER SUPPLY. A SUBSEQUENT DIGITAL CHANNEL COMMUNICATED MESSAGES FROM 604.			6043201	121	YES IC		
GPS-1	SYSTEM EFFECT-NONE.							
GPS-1	VEHICLE EFFECT-NONE.							
GPS-1	CORRECTIVE ACTION-NONE. Missle flight was successful.							
GPS-1	GUIDANCE-14-MAR 11-A/B DECODED	804-PZ74-029/11-102-00-216	FLIGHT	1900	2-4/342	NO GENERAL ELECTRIC	604768	604766
GPS-1	FAILURE MODE-FAILURE TO OPERATE AT PRESCRIBED TIME. THE FIRST LOOP TEST WAS ABORTED DUE TO THE FAULTY TRANSMISSION OF THE 1ST 15 SECONDS OF THE 1ST 30 SECONDS OF THE 1ST 60 SECONDS BY THE RECORDER. THIS RESULTED FROM OPERATOR ERROR IN A 15.2 SEC TO RESET THE COMPUTER FROM THE PREVIOUS LOOP TEST.			6043204	121	NO IC		
GPS-1	SYSTEM EFFECT-IMPROVED ANALOG SIGNALS.							
GPS-1	VEHICLE EFFECT-COMPUTER IMPROVED SIGNALS.							
GPS-1	CORRECTIVE ACTION-NONE. RECORDER 14-MAR 11-A/B SET-NET.							
GPS-1	GUIDANCE-14-MAR 11-A/B DECODED	804-PZ74-029/11-102-00-216	FLIGHT	1900	2-4/342	NO GENERAL ELECTRIC	604769	604768
GPS-1	FAILURE MODE-PRECISELY OPERATES. RELATED TO THE SEPARATION OF 6 STEREO CHANNELS BY THE RECORDER COMPUTER. THE RECORDER WILL TWO DISTINCT OUTPUTS FROM THE 7TH STEREO CHANNEL. A 6 PERCENT 7TH STEREO CHANNEL, A 14.2 PERCENT 8TH STEREO, AND A 28 PERCENT 9TH STEREO AT 14.2 SECONDS. CAUSE UNKNOWN.			6043204	121	NO IC		
GPS-1	VEHICLE EFFECT-IMPROVED ANALOG SIGNALS.							
GPS-1	CORRECTIVE ACTION-NONE.							
GPS-1	A SMALL MAGNETIC FIELD WHICH DECAYED TO ZERO IN APPROXIMATELY 1.7 SECONDS. THE VARIOUS PLACEMENTS SHOWED AT 1.6 SECONDS IN							

GENERAL DYNAMICS
COMPAIR DIVISION

16 JUN 1986

BIFLUCLITIES REVIEW-GUIDANCE SYSTEMS-ALIUSC

SYSTEM S-0-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIF DATA SOURCE PART NUMBER	VEHICLE DATE	SITE TIME	01P 01N	01P 01N	VEHICLE NAME NUMBER PHST NO
GUIDANCE-GE MARK 11-A/B INSTRUMENTS	A040-00231-00237/A06-00-00-00 INSTRUMENTS	COMPOSITE-406-006-006 00000	350	8-3/2018 0000	YES	NO	GENERAL ELECTRIC 694750
GUIDANCE-GE MARK 11-A/B INSTRUMENTS	A040-00231-00237/A06-00-00-00 INSTRUMENTS	COMPOSITE-406-006-006 00000	350	8-3/2018 0000	NO	IC	GENERAL ELECTRIC 694750
FAILURE MODE-FAIL DURING OPERATION. AT 0000, DURING A LOOP TEST, AN IMPROPER SIGNAL WAS SENT TO THE AUTOPilot FROM THE DECODER. THE SECOND GUIDANCE STATION DID NOT GENERATE ANY APPROPRIATE SIGNAL AT THIS TIME.							
SYSTEM EFFECT-IMPROPER GYROSCOPIC SIGNALS.							
VEHICLE EFFECT-HOME.							
CORRECTIVE ACTION-THE GUIDANCE CANISTER WAS REPLACED.							
GUIDANCE-GE MARK 11-A/B ANTENNA AND WAVEGUIDE	GDG/BRKNS-047/1A-702-00-7108 ANTENNA AND WAVEGUIDE	COUNTDOWN	7100	2-4/PA/LC NO GENERAL ELECTRIC 694024	-0000	NO	GENERAL ELECTRIC 694024
FAILURE MODE-FAIL DURING OPERATION. BECAUSE OF MULTIPATH SIGNAL PROBLEMS, THE GROUND GUIDANCE STATION COULD NOT ATTACHFACTORILY REACQUISITION TRACK WITH THE VEHICLE AFTER REACQUISITION AND THEN REACQUISITION THE VEHICLE.							
SYSTEM EFFECT-OPERATION DOES NOT START. BECAUSE OF INABILITY TO REACQUISITION LOCK, THE VEHICLE COULD NOT BE ACQUISITED.							
VEHICLE EFFECT-COUNTDOWN ABORTED AND RESCHEDULED. TOTAL HOLD TIME WAS 105 MINUTES.							
CORRECTIVE ACTION-HOME. MULTIPATH PROBLEMS APPEAR SPORADICALLY AND CANNOT BE PLEASURABLY ELIMINATED.							
GUIDANCE-GE MARK 11-A/B ANTENNA AND WAVEGUIDE	GD-TC-BF01-009/AL-001-00-#11 ANTENNA AND WAVEGUIDE	FLIGHT	2110	A-1/MTR TES GENERAL ELECTRIC 695027	100	NO	GENERAL ELECTRIC 695027
FAILURE MODE-FAIL DURING OPERATION. CLIPPING PHENOMENON OF THE OUTPUTS OF THE TWO SURFACE VEHICLE/DOME ANTENNAS CAUSES THE INPUT SIGNAL TO THE PULSE SECTION TO BE BELOW THE RECEIVER THRESHOLD AT 100 SECONDS AND 175 SECONDS.							
SYSTEM EFFECT-OPERATION TOO LOW, AS A RESULT OF THE ANTENNA CLIPPING EFFECT, LIGHT DROPS OF 4-PERCENT 1NM FOR 0-3-6 SECONDS DURATION WERE OBSERVED ON THE PULSE BURST MANUFACTURE CURRENT REQUIREMENT (TAC) AT 11.00 SECONDS AND 175 SECONDS.							
VEHICLE EFFECT-HOME. NO INSTRUMENT ERROR IS RELATED.							
CORRECTIVE ACTION-NONE REQUESTED. THE CLIPPING EFFECT USUALLY OCCURS WHEN THE TWO ANTENNAS HAVE PARALLEL LOG-ON AND SIGNAL TIMEQUALITY. THESE EFFECTS ARE INERTIAL AND ARE NOT CONSIDERED TO BE DETERIMENTAL TO SURFACE OPERATION.							
GUIDANCE-GE MARK 11-A/B ANTENNA AND WAVEGUIDE	A-02-10-006-F WAVEGUIDE	PAS	0000	YES TELECOM	NO	NO	GENERAL ELECTRIC 694750
FAILURE MODE-FAIL-DURING OPERATION. INSTRUMENT LEANED AT A PLANE ATTACHMENT TO THE TUBE DURING PING AND PRESENTATION OF THE SURFACE STATE. LEANING AT THE HELD-ON POSITION RESULTS IN ATTACHMENT TO POD AND INCORRECT MLI910.							

15 JUN 1994

GENERAL DYNAMICS
COSMOS DIVISION

SUFFICIENCIES REVIEW-SURFACE SYSTEM-7-1000

SYSTEM	REPORT NUMBER FAILED COMPONENT NAME	DIP DATA SOURCE PART NUMBER	VEHICLE STATE DEF	SITE TIME DEF	PER TIME DEF	VEHICLE NAME VEHICLE PART NO
ENCLANCE-AFPA-1/P SUS-SYSTEM	AERL-00702-101-00-00	COUNTDOWN 6226227	9/1994 NO	7/1994 NO	1000000 NO	VEA AREA NO
ENCLANCE-AFPA-1/P SUS-SYSTEM	AERL-00702-101-00-00	COUNTDOWN 6226227	9/1994 NO	7/1994 NO	1000000 NO	VEA AREA NO
ENCLANCE-AFPA-1/P SUS-SYSTEM	AERL-00702-101-00-00	COUNTDOWN 6226227	9/1994 NO	7/1994 NO	1000000 NO	VEA AREA NO
ENCLANCE-AFPA-1/P SUS-SYSTEM	AERL-00702-101-00-00	COUNTDOWN 6226227	9/1994 NO	7/1994 NO	1000000 NO	VEA AREA NO
ENCLANCE-AFPA-1/P SUS-SYSTEM	AERL-00702-101-00-00	COUNTDOWN 6226227	9/1994 NO	7/1994 NO	1000000 NO	VEA AREA NO
ENCLANCE-AFPA-1/P SUS-SYSTEM	AERL-00702-101-00-00	COUNTDOWN 6226227	9/1994 NO	7/1994 NO	1000000 NO	VEA AREA NO
ENCLANCE-AFPA-1/P SUS-SYSTEM	AERL-00702-101-00-00	COUNTDOWN 6226227	9/1994 NO	7/1994 NO	1000000 NO	VEA AREA NO
ENCLANCE-AFPA-1/P SUS-SYSTEM	AERL-00702-101-00-00	COUNTDOWN 6226227	9/1994 NO	7/1994 NO	1000000 NO	VEA AREA NO
ENCLANCE-AFPA-1/P SUS-SYSTEM	AERL-00702-101-00-00	COUNTDOWN 6226227	9/1994 NO	7/1994 NO	1000000 NO	VEA AREA NO
ENCLANCE-AFPA-1/P SUS-SYSTEM	AERL-00702-101-00-00	COUNTDOWN 6226227	9/1994 NO	7/1994 NO	1000000 NO	VEA AREA NO

14 JUN 1986

GENERAL ANTRC
COMPAK DIVISION

BRIEFING NOTES FOR SYSTEMS ENGINEERING SYSTEM-AIRBORNE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	GIF DATA SOURCE PART NUMBER	VEHICLE DATE OF TIME DRAFTED	PDI OTHER VEHICLE PART NO	VEHICLE NAME
AIRBORNE-ARPA-A/B AIRBORNE-ARPA-C/D	DATA-9701-900-00-00-00 DATA-9701-900-00-00-00	COMPOSITE-F90-0072 911000	FACTORY 11/1985	NO AREA NO	NO AREA
FAILURE MODE-FAIL-BUS IN OPERATION-HARDWARE FAIL. INDICATION RECEIVED ON LAUNCH CONTROL CONSOLE DUE TO BLOOM FUSE.					
SYSTEM EFFECT-EMERGENCY STOP-PREDATOR/LY.					
VEHICLE EFFECT-COMPOSITE RELATED.					
CORRECTIVE ACTION-UNKNOW.					
AIRBORNE-ARPA-A/B AIRBORNE-ARPA-C/D	DATA-9701-900-00-00-00 DATA-9701-900-00-00-00	COMPOSITE-F90-0072 911000	FACTORY 11/1985	NO AREA NO	NO AREA
FAILURE MODE-EMERGENT OPERATION. TELEMETRY MEASUREMENT 61500V, CONTROL 115 VAC, PHASE B, DISPLAYED 10 PCT 100 VARIATION THROUGHOUT THE TEST. THIS CONDITION WAS REPEITIVE ON EARLY C SERIES AND WAS ISOLATED TO A BEST FREQUENCY: PICKUP F IN THE Guidance TEST EQUIPMENT OF THE NEW ARD AIRBORNE AND CYCLE POWER SUPPLIED.					
SYSTEM EFFECT-EMERGENT OPERATION					
VEHICLE EFFECT-COUNTDOWN RELATED					
CORRECTIVE ACTION-UNKNOW.					
AIRBORNE-ARPA-A/B PLATFOR AND CONTROL	DATA-9701-900-00-00-00 DATA-9701-900-00-00-00	COMPOSITE-F90-0072 911000	FACTORY 11/1985	NO AREA NO	NO AREA
FAILURE MODE-FAIL-BUS IN OPERATION. THE #1 ACCELEROMETER STRAIN CIRCUIT FAILS DURING CONTINUOUS OPERATIONS.					
SYSTEM EFFECT-IMPACT ACCELEROMETER SIGNAL.					
VEHICLE EFFECT-None.					
CORRECTIVE ACTION-UNKNOW. TEST CONTINUED. FAILURE TO BE INVESTIGATED.					
					DATA-9000

10 JUN 1998

GENERAL ANCO
COM: 12 - 714100

SUBSYSTEMS STATUS REPORT

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BEST DATA SOURCE PART NUMBER	VEHICLE PART #/P/N	TEST DIP TIME/DATE	PH?	REASON CODE PART NO
SUBDANCE-ANMA-L/P PLAT FORM AND CONTROL	AMG-303-1377/PFC-00-00-0011-003 PLATFORM AND CONTROL	COMPACTOR-FAC/CTOR 1377 686819	FAC/CTOR TES AREA N/A	15J7 060817	N/A	NO
SUBDANCE-ANMA-L/P PLAT FORM AND CONTROL	DATA1702-800-13-04 PLAT FORM AND CONTROL	COMPACTOR-FAC/CTOR 615 681396	FAC/CTOR N/A	N/A N/A	N/A	NO
SUBDANCE-ANMA-L/P PLAT FORM AND CONTROL	DATA1702-800-13-04 PLAT FORM AND CONTROL	DATA1702-800-13-04 PLAT FORM AND CONTROL	FAC/CTOR N/A	N/A N/A	N/A	NO
SUBDANCE-ANMA-L/P PLAT FORM AND CONTROL	DATA1702-800-13-04 PLAT FORM AND CONTROL	COMPACTOR-FAC/CTOR 1377 686819	FAC/CTOR TES AREA N/A	15J7 060818	N/A	NO
SUBDANCE-ANMA-L/P PLAT FORM AND CONTROL	DATA1702-800-13-04 PLAT FORM AND CONTROL	COMPACTOR-FAC/CTOR 1377 686819	FAC/CTOR TES AREA N/A	15J7 060817	N/A	NO
SUBDANCE-ANMA-L/P PLAT FORM AND CONTROL	DATA1702-800-13-04 PLAT FORM AND CONTROL	COMPACTOR-FAC/CTOR 1377 686819	FAC/CTOR TES AREA N/A	15J7 060817	N/A	NO

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STANDBY DIVISION
COMBAT DIVISION

BIPOLAR TIES REVERSE-SEQUENCE SYSTEM-MESSAGE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE	VEHICLE DATA BIP	DATA BIP TIME DISP	DATA BIP TIME DISP	VEHICLE NAME	VEHICLE PART NO
VEHICLE EFFECT-COMPOSITE ACTUATED AND POSITIONED.							
GUIDANCE-AIRPAK-1/3	84073 02-000-14-33 HYDRO PLATFROM POSITION	COMPOSITE-TESTER, SF 800017	4,0/42	4,0/42	4,0/42	TELE ARM	NO
CORRECTIVE ACTION-THE 8187 TUBE WHICH HAD BEEN INTEGRALLY RETRACTED WAS INTENDED FOR THE NEXT SPL. ATTEMPT.							
GUIDANCE-AIRPAK-1/3	84073 02-000-14-33	GUIDANCE FAIL ILLUMINATED AND AT 8111 MADE PLUS A SEC. MEALOWERING RETURN TO STAN BRTT.					
SYSTEM EFFECT-HIGH TEMPERATURE DRAFTING, HYDRO PLATFROM TEMPERATURE TOO HIGH.							
VEHICLE EFFECT-NONE.							
GUIDANCE-AIRPAK-1/3	84073 02-000-14-33	COMPOSITE-TESTER, SF COLLIMATOR	0,1819	0,1819	0,1819	NO ARM	NO
CORRECTIVE ACTION-HYDRO PLATFROM REPLACED.							
FAILURE MODE-FAIL DURING OPERATION. INCREASE IN OPTICS SYSTEM SIGHT TIME.							
SYSTEM EFFECT-IMPROPER ANALOG SIGNAL. GUIDANCE WAS OBTAINED BY ONE TOOLING TARGETS							
VEHICLE EFFECT-COMPONENT RELATED.							
CORRECTIVE ACTION-ON-UNKNOWN.							
GUN BARREL-AIRPAK-1/3	AM111-0-3-11-APC-003-00-041	COMPOSITE-FACTORY 11F ACCELEROMETER-FUNCTIONAL	0,1118	0,1118	0,1118	FACTORY NO ARM	NO 2-0000-005
PLATFROM AND CONTROL.							
FAILURE MODE-FAIL TO OPERATE AT PRECOSED TIME. THE STARTING COMMAND WAS GENERATED TOO LATE. THIS WAS CAUSED BY E-1 ACCELEROMETER SYSTEM FREQUENCY BURST WHICH OCCURRED DURING DECCELERATION TIME DELAY BETWEEN THE PRE-COMMAND TO SET-UP AND START OF THE COMPOSITE.							
SYSTEM EFFECT-IMPROPER SPECTRUM SIGNAL.							
VEHICLE EFFECT-COMPONENT ISOLATED. POW COMPONET TEST REURNED TO HIGH MODE OPERATION.							
CORRECTIVE ACTION-PART NUMBER.							
GUN BARREL-AIRPAK-1/3	AM111-0-3-14-APC-003-0-114	COMPOSITE-FACTORY 1AP PLATFROM	0,1114	0,1114	0,1114	FACTORY NO ARM	NO 2-0000-005
PLATFROM AND CONTROL.							
FAILURE MODE-FAIL OF POSITIONING. THE GYRO POSITION TUBE INDICATED 12-44 SEC. THE BEARING WAS SETTING WAS OUT OF SETTING.							
IN SEC., THE PLATFROM LENGTH WAS NEW 010111209 AT THE TIME THE BEARING WAS SETTING.							

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GENERAL DYNAMICS
COMPAIR DIVISION

BREVILLE/TECH REVIEWS-MODEL 87100-11000

SYSTEM FUNCTION	TEST/IDENTIFICATION NUMBER	SIR DATA SOURCE PART NUMBER	VEHICLE DATE OF FLOW	VEHICLE TYPE	PR WEIGHT GROSS WEIGHT
SYSTEM EFFECT-HOME.					
VEHICLE ACTION-HOME. NO HOMING OF COMPOSITE HOME.					
GUIDANCE-ANIA-1/3 PLATFORM AND CONTROL	A911-04100/PTC-000-01-34 NO/HOME	COMPOSITE-FAC/T 941113	11/93	NO ANIA	NO
FAILURE MODE-OUT OF TOLERANCE-2 ACCELERATOR SCALE DRIFT WAS OUT OF TOLERANCE. THE PRODUCT WAS TRACED TO A BRAKE IN THE CLUTCH OR BRAKE PEDAL.					
CONNECTIVE ACTION-HOME.					
GUIDANCE-ANIA-1/3 PLATFORM AND CONTROL	A9141-03-3-11/PTC-000-01-311 PLATFORM	COMPOSITE-FAC/T 941027	11/93	FACTORY YES ANIA	NO S-0000-000
FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. THE STABILIZING FUNCTION OCCURRED 25 LATE AND THE MASTERS AND WORKER C UT OFF FUNCTIONS OCCURRED EARLY. THIS PROBLEM RECORDED ON PTC-0000 COMPOSITE TEST.					
SYSTEM EFFECT-SATURATION.					
VEHICLE EFFECT-HOME.					
GUIDANCE-ANIA-1/3 PLATFORM AND CONTROL	A911-04100/PTC-000-01-347 AMPLITUDE	COMPOSITE-FAC/T 941019	11/93	FACTORY YES ANIA	NO
FAILURE MODE-OUT OF TOLERANCE. due to a HIGH GEARBOX ALIENATION MODE VOLTAGE, THE GEAR BOX TURNED AND LIT FOR SATURATED AND ANIA VOL CONNECTION ONE TIME OVER 0.05 SEC EVALUATED. THE GEARBOX ALIENATION MODE VOL CONNECTION IS CANED BY PLATFORM SHIFT.					
VEHICLE EFFECT-HOME.					
SYSTEM EFFECT-OPERATION TOO LONG. ANIA CONNECTION DUE TO INTEGRATED SOIL SENSORS AND IRIN.					
VEHICLE ACTION-HOME.					
CONNECTIVE ACTION-HOME.					

SYSTEM EFFECT-OPERATION 6900 FROM TEST 1. RECO VERT TOO SOON, CAUSED BY AND DUE TO.

FAILURE MODE-FAIL DURING OPERATION-6900 WAS INFLICTED AT 00:15.100 SECONDS OF THE PLATFROM TEST. THIS WAS A MEDIUM EFFECT IN THE TEST. LOSING PART OF THE PLATFROM ALLEGEDLY.

| COMPONENT-FACTORY 100% FACTORY 0% |
|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| PLATFROM | PLATFROM | PLATFROM | PLATFROM |

COMPONENT ACTION-CLEARATION 100% HIGH.
VEHICLE EFFECT-CLEARATION 100% HIGH.

FAILURE MODE-FAIL DURING OPERATION. A BURNT-OUT FAILED INDICATION WAS NOTICED DUE TO A FAILURE IN THE ACTUATOR LINE. CLEARATION 100% HIGH-VEHICLE EFFECT-CLEARATION 100% HIGH.

| ON AND AFTER 00:15.100 SECONDS |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| ON AND AFTER 00:15.100 SECONDS |

FAILURE MODE-FAIL DURING OPERATION. A BURNT-OUT FAILED INDICATION WAS NOTICED DUE TO A FAILURE IN THE ACTUATOR LINE. CLEARATION 100% HIGH-VEHICLE EFFECT-CLEARATION 100% HIGH.

VEHICLE EFFECT-CLEARATION 100% HIGH.

FAILURE MODE-FAIL DURING OPERATION. A BURNT-OUT FAILED INDICATION WAS NOTICED DUE TO A FAILURE IN THE ACTUATOR LINE. CLEARATION 100% HIGH-VEHICLE EFFECT-CLEARATION 100% HIGH.

FAILURE MODE-FAIL DURING OPERATION. A BURNT-OUT FAILED INDICATION WAS NOTICED DUE TO A FAILURE IN THE ACTUATOR LINE. CLEARATION 100% HIGH-VEHICLE EFFECT-CLEARATION 100% HIGH.

| ON AND AFTER 00:15.100 SECONDS |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| ON AND AFTER 00:15.100 SECONDS |

FAILURE MODE-FAIL DURING OPERATION. A BURNT-OUT FAILED INDICATION WAS NOTICED DUE TO A FAILURE IN THE ACTUATOR LINE. CLEARATION 100% HIGH-VEHICLE EFFECT-CLEARATION 100% HIGH.

VEHICLE EFFECT-CLEARATION 100% HIGH.

FAILURE MODE-FAIL DURING OPERATION. A BURNT-OUT FAILED INDICATION WAS NOTICED DUE TO A FAILURE IN THE ACTUATOR LINE. CLEARATION 100% HIGH-VEHICLE EFFECT-CLEARATION 100% HIGH.

VEHICLE EFFECT-CLEARATION 100% HIGH.

FAILURE MODE-FAIL DURING OPERATION. A BURNT-OUT FAILED INDICATION WAS NOTICED DUE TO A FAILURE IN THE ACTUATOR LINE. CLEARATION 100% HIGH-VEHICLE EFFECT-CLEARATION 100% HIGH.

VEHICLE EFFECT-CLEARATION 100% HIGH.

TEST/TESTER NAME SUB-SYSTEM	TEST/TESTER NAME SUB-SYSTEM	TEST/TESTER NAME SUB-SYSTEM	TEST/TESTER NAME SUB-SYSTEM
PLATFROM AND CONTROL SUB-SYSTEM	PLATFROM AND CONTROL SUB-SYSTEM	PLATFROM AND CONTROL SUB-SYSTEM	PLATFROM AND CONTROL SUB-SYSTEM

16 JUN 1986
COMBAT DIVISION
ARMED FORCES

OPERATIONAL STATUS-SUBSISTENCE

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CULTURAL THEMES

प्राचीन भारतीय संस्कृति

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIF DATA SOURCE PART NUMBER	VEHICLE DATE BIF TIME BIF CNT	TESTS RUN VEHICLE PART NO
VEHICLE EFFECT- COMPOSITE RECHARGE . COMPOSITE TEST BE-BIN WITHOUT ANY SURFACE PROBLEM.				
CORRECTIVE ACTION- THE WIRING DRAIN HAS CONNECTED.				
VEHICLE EFFECT- AMPA-4/8 PLATFOR AMG CONTROL	AESI-00011/PC-300-01-010 ACCELEROMETER-FUNCTIONAL TEST	COMPOSITE-F FACTORY 910000	10F FACTORY YES AMPA NO	
FAILURE MODE-OUT OF TOLERANCE. THE ROLL PROGRAM INPUT SIGNAL WAS EXCESSIVE. THIS WAS CAUSED BY A HIGH AZIMUTH READ, WHICH VOLTAGE RESULTING FROM AN EXCESSIVE DRIFT OF THE AMPA PLATFORM.				
SYSTEM EFFECT-IMPROPER AMPLIFIER AMPLS SIGNALS.				
VEHICLE EFFECT- COMPOSITE RECHARGE -AMPAZ COMPOSITE SUR SURGE.				
CORRECTIVE ACTION- THE STRAIN FREQUENCIES WERE REBALANCED.				
VEHICLE EFFECT- AMPA-4/8 PLATFORM AND CONTROL	AESI-00011/PC-300-01-010 PLATFORM	COMPOSITE-F FACTORY 9100007	10F FACTORY NO AMPA NO	
FAILURE MODE-PROBLEMS IN OPERATION-SUSTAINER AND VIBRATOR CUTOFF OCCURRED EARLIER THAN EXPECTED. DUE TO AN OVERDESIGN IN MODIFYING THE AGE PRICE TO COMPOSITE TESTING, PLATFORM REBALANCE DID NOT RESULTED.				
SYSTEM EFFECT-IMPROPER REBALANCE SIGNALS.				
VEHICLE EFFECT- COMPOSITE RECHARGE . POST COMPOSITE TEST REMAINED TO SHOW PROPER OPERATION.				
CORRECTIVE ACTION- THE TEST EQUIPMENT WAS RETURNED TO ITS PREVIOUS CONFIGURATION PRIOR TO THE POST-COMPOSITE TEST.				
VEHICLE EFFECT- AMPA-4/8 PLATFORM AND CONTROL	AESI-00011/PC-300-01-008 PLATFORM	COMPOSITE-F FACTORY 9100008	10F FACTORY NO AMPA NO	
FAILURE MODE-OUT OF TOLERANCE. THE BINOMIAL AND TWO TEMPERATURES WERE HIGHER THAN EXPECTED DURING THE COMPOSITE TEST. THE PRO TEMPERATURE WAS HIGHER THAN ALLOWABLE DUE TO A MISSING WATER LINE COOLING SYSTEM.				
SYSTEM EFFECT-NONE. SYSTEM ADDED INTERNAL TOLERANCE.				
VEHICLE EFFECT- COMPOSITE RECHARGE . THE COMPOSITE TEST WAS REURN AFTER ADJUSTING FWD COOLING.				
CORRECTIVE ACTION-FWD COOLING SURF WAS REHEATED.				
VEHICLE EFFECT- AMPA-4/8 PLATFORM AND CONTROL	AESI-00011/PC-300-01-003 ACCELEROMETER	COMPOSITE-F FACTORY 9100003	10F FACTORY YES AMPA NO	
FAILURE MODE-OPERATION TOO LATE. THE SURFACE STAGING SIGNAL OCCURRED LATER THAN EXPECTED. THIS WAS DUE TO THE ACCE				
VEHICLE EFFECT- AMPA-4/8 PLATFORM AND CONTROL	AESI-00011/PC-300-01-001 ACCELEROMETER	COMPOSITE-F FACTORY 9100001	10F FACTORY YES AMPA NO	

15 JUN 1988

GENERAL DYNAMICS
COMVAIR DIVISION

- CRITICAL REVIEW-GUIDANCE SYSTEM-AIRBORNE

SYSTEM SUB-SYSTEM	TEST REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE PART NUMBER	VEHICLE DATE DIF	ELITE TIME DIF	PRI OTH	VEHICLE NAME VENDOR PART NO
						098611
SYSTEM EFFECT-IMPROPER ANALOG SIGNALS-THE STRAIN ACCELEROMETERS WERE OUT OF CALIBRATION.						
VEHICLE EFFECT-COMPOSITE RELATED. POST-COMPPOSITE TEST REQUIRED TO KNOW SATISFACTORY OPERATION.						
CORRECTIVE ACTION-THE ACCELEROMETERS WERE RECALIBRATED AND A SATISFACTORY POST-COMPPOSITE TEST WAS PERFORMED.						
GUIDANCE - UAMA-4/9 PLATFORM AND CONTROL COLLIMATOR	A001-0017/000172-01-1007-01-04	COMPOSITE-FRONTAL 24C 098612	7/19/87 NO	C/MT YES ANNA	C/MT NO	098721
FAILURE MODE-OUT OF TOLERANCE. OUT OF TOLERANCE SETTING ON COLLIMATOR.						
SYSTEM EFFECT-OPERATION DOES NOT START. GUIDANCE FAIL RED INDICATION.						
VEHICLE EFFECT-COUNTDOWN RELATED.						
GUIDANCE - UAMA-4/9 PLATFORM AND CONTROL COLLIMATOR	A001-0018/000170-01-100-18-11	COMPOSITE-FRONTAL 24C 610007	7/19/87 NO	C/MT YES ANNA	C/MT NO	098722
FAILURE MODE-FAIL DURING OPERATION. ANNA PLATFROM FAILURE DUE TO LOSING PROGRAM INITIATION OR INCOMPLETE PERFORMANCE E OF STEP IS RESULTING IN NOT ACQUIRING OPTICS.						
SYSTEM EFFECT-GUIDANCE DOES NOT START. GUIDANCE FAILURE.						
VEHICLE EFFECT-COMPOSITE ---AYED.						
CORRECTIVE ACTION-PHOTO-MULTIPLIER TUBE IN THE COLLIMATOR WAS INTERFERENT AND WAS REPLACED BUT NO USEFUL SIGNAL SIG NOT ALLOW VERIFICATION THAT THIS ELIMINATED PROBLEM IN ACQUIRING OPTICS.						
GUIDANCE - UAMA-4/9 PLATFORM AND CONTROL COLLIMATOR	A001-0019/000170-01-100-17-11	COMPOSITE-FRONTAL 24C 010007	7/19/87 NO	C/MT NO ANNA	C/MT NO	098716
FAILURE MODE-FAIL DURING OPERATION FAILURE TO ACQUIRE OPTICAL AZIMUTH ALIGNMENT.						
SYSTEM : EFFECT-GUIDANCE DOES NOT START. GUIDANCE FAIL RED INDICATION ON LCC.						
VEHICLE EFFECT-COUNTDOWN RELATED.						
CORRECTIVE ACTION-UNVERIFIED.						

13 JUN 1986

GENERAL DYNAMICS
CONTINENTAL DIVISION

SIGHTS/ARMS-WEAPON-SIGHTS-AIRBORNE

SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	RIFLE DATA SOURCE PART NUMBER	VEHICLE DATE DIS TIME DIS	SITE DIS	PIR DIS	VEHICL E PART NO
SIGHTS/ARMS-A/78 PLATFORM AND CONTROL	A001-CB8/MA170/C1-B00-13-11 PLATFORM	COMPOSITE-PRO/DPL- C1-E	11-E 610007	C/AFR	NO AFRA	000077
FAILURE MODE-FAIL DURING OPERATION. FAILURE TO ACQUIRE OPTICAL ALIGNMENT.						
SYSTEM EFFECT-OPERATION DOES NOT START. SIGHTS FAIL AND INDICATION ON LCC.						
VEHICLE EFFECT-COMPOSITE RELATED.						
CORRECTIVE ACTION-UNKNOWN.						
SIGHTS/ARMS-A/78 PLATFORM AND CONTROL	A001-CB8/MA170/C1-B00-14-11 PLATFORM	COMPOSITE-PRO/DPL- C1-E 610004	11-E 610004	C/AFR	TEA AFRA	000078
FAILURE MODE-FAIL DURING OPERATION. FAILURE TO ACQUIRE OPTICS.						
SYSTEM EFFECT-OPERATION DOES NOT START. INTEGRATED SIGHTS FAIL AND INDICATION ON LCC.						
VEHICLE EFFECT-COMPOSITE RELATED.						
CORRECTIVE ACTION-UNKNOWN.						
SIGHTS/ARMS-A/78 PLATFORM AND CONTROL	A001-CB8/MA170/C1-B00-15-11 RELAY	COMPOSITE-PRO/DPL- C1-E 610004	11-E 610004	C/AFR	TEA AFRA	000079
FAILURE MODE-FAIL TO CEASE OPERATION AT PRESCRIBED TIME. FAILURE OF A RELAY TO DE-ENERGIZE AFTER THE DESIRED NUMBER OF SIGHTS FAIL INDICATION.						
SYSTEM EFFECT-OPERATION DOES NOT START. SIGHTS FAIL AND INDICATION ON LCC.						
VEHICLE EFFECT-COMPOSITE RELATED.						
CORRECTIVE ACTION-UNKNOWN.						
SIGHTS/ARMS-A/78 PLATFORM AND CONTROL	A001-CB8/MA170/C1-B00-16-11 PLATFORM	COMPOSITE-PRO/DPL- C1-E 610005	11-E 610005	C/AFR	TEA AFRA	000072
FAILURE MODE-FAIL DURING OPERATION. FAILURE TO ACQUIRE OPTICAL ALIGNMENT.						
SYSTEM EFFECT-OPERATION DOES NOT START. SIGHTS FAIL AND INDICATION ON LCC.						
VEHICLE EFFECT-COMPOSITE RELATED.						
CORRECTIVE ACTION-UNKNOWN.						

10 JUN 1998

STRUCTURAL DYNAMICS
COMMITTEE DIVISION

SPECIFICITIES REVIEW-PERFORMANCE SYSTEM-ALARM

SYSTEM SUB-SYSTEM	TEST REPORT NUMBER FAILED COMPONENT NAME	BIP DATA SOURCE PLAT NUMBER	VEHICLE DATE BIP	BITE BIP	PRI OTH	VEHICL INDEX
STRUCTURAL DYNAMICS-A/B PLATFORM AND CONTROL	ADS1-0002-00000 PLATFORM	COMPOSITE-F90/F90- 610001	115	C/MT	NO ALRM	600027
FAILURE MODE-FAIL SWING OPERATION. FAILURE OF FLIGHT SAFETY MEASURES WHICH IS THE ALARM SOURCE.						
SYSTEM EFFECT-OPERATION DOES NOT START. PERFORMANCE SYSTEM DID NOT RECEIVE OPTICAL MEASURED SIGNAL.						
VEHICLE EFFECT-COMPONENT RELATED.						
COMPENSATIVE ACTION-GIVE BRAKES IMPLICATED.						
STRUCTURAL DYNAMICS-A/B PLATFORM AND CONTROL	ADS1-0003-00000 PLATFORM	COMPOSITE-F90/F90- 610001	115	C/MT	YES ALRM	600026
FAILURE MODE-FAIL SWING OPERATION. ALRM PLATFORM LEVELLING CONTROL PROGRAM FAILURE.						
SYSTEM EFFECT-OPERATION DOES NOT START. INDUCEANCE FAIL INDICATOR.						
VEHICLE EFFECT-COMPONENT RELATED.						
COMPENSATIVE ACTION-UNKNOWN.						
STRUCTURAL DYNAMICS-A/B PLATFORM AND CONTROL	ADS1-0001-00000 PLATFORM	COMPOSITE-F90/F90- 610001	115	C/MT	YES ALRM	600024
FAILURE MODE-FAIL SWING OPERATION FAILURE TO ACTIVATE OPTICAL ALIGNMENT ALARM.						
SYSTEM EFFECT-OPERATION DOES NOT START INDUCEANCE FAIL INDICATION ON LCD.						
VEHICLE EFFECT-COMPONENT RELATED.						
COMPENSATIVE ACTION-UNKNOWN.						
STRUCTURAL DYNAMICS-A/B PLATFORM AND CONTROL	ADS1-0746-07C-000-01-013 ACCELEROMETER-FRACTICAL	COMPOSITE-F90/F90- 610001	115	FAC/TY	NO ALRM	600023
FAILURE MODE-PROBLEMS OPERATING-TIME COUNTER TIME FOR WORKING CYCLE OCCURRED GREATER THAN ALLOWED. THE ACCELEROMETER'S FREQUENCIES WAS DRIFTED OUT OF CALIBRATION.						
VEHICLE EFFECT-IMPROPER MEASUREMENT SIGNAL.						
COMPENSATIVE ACTION-THE ACCELEROMETERS WERE RECALIBRATED.						
						PAGE 600A

15 JUN 1968

GENERAL DYNAMICS
COMPOSITE DIVISION

BIRDFLIGHTS SYSTEMS-MINIMUM SYSTEM-AIRBORNE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIF DATA SOURCE PART NUMBER	VEHICLE	SITE	BIF TIME	BIF OWN	VEHICLE NAME VEHICLE PART NO
SURFACE-ARMA-A/B PLATFOR AND CONTROL	AERL-0356/TC-500-01-000 ACCELEROMETER	COMPOSITE-FACTORY 910721	FACTORY YES ARMA NO				900412
FAILURE MODE-FREQUENCIES-The counter time per monitor cutoff occurred early. This was attributed to a drift in one of the accelerometers strain frequencies.							
SYSTEM EFFECT-IMPROVED DISCRETE SIGNALS OCCURRED-DUE TO ACCELEROMETER DRIFT.							
VEHICLE EFFECT-CALIBRATION OR COMPENSATION DELAYED - POST COMPOSITE TEST 1000 HRS REQUIRED TO SHOW SATISFACTORY PERFORMANCE.							
CORRECTIVE ACTION-THE ACCELEROMETER STRAIN FREQUENCIES WERE RECALIBRATED AND POST COMPOSITE TESTING IS DONE.							
SURFACE-ARMA-A/B PLATFOR AND CONTROL	AERL-0356/TC-500-01-000 ACCELEROMETER	COMPOSITE-FACTORY 910714	FACTORY YES ARMA NO				900412
FAILURE MODE-FREQUENCIES-The time per calibration due to the loss duration of the test, was not drifted out of calibration.							
SYSTEM EFFECT-IMPROVED DISCRETE SIGNALS, SEC'D SIGNAL SENT EARLY DUE TO DRIFT OF ACCELEROMETERS.							
VEHICLE EFFECT-COMPENSATE TEST 1000 HRS TO DEMONSTRATE PROPER OPERATION OF BUILD-IN SYSTEM.							
CORRECTIVE ACTION-THE ACCELEROMETER STRAIN FREQUENCIES WERE RECALIBRATED AND POST COMPOSITE TESTING PERFORMED.							
SURFACE-ARMA-A/B PLATFOR AND CONTROL	AERL-0356/TC-500-01-000 ACCELEROMETER	COMPOSITE-FACTORY 910703	FACTORY YES ARMA NO				900412
FAILURE MODE-FREQUENCIES-The counter time per monitor cutoff occurred early. This was attributed to the acc'leometer strain frequencies being out of adjustment.							
SYSTEM EFFECT-IMPROVED DISCRETE SIGNALS - EARLY, 1000 HRS COMPENSATION-CAUSED BY ACCELEROMETER STRAIN FREQUENCIES BEING OUT OF ALIGNMENT.							
VEHICLE EFFECT-CALIBRATION OR COMPENSATION DELAYED - POST COMPOSITE TESTING REQUIRED TO DEMONSTRATE MEASURED CALIBRATION.							
CORRECTIVE ACTION-ACCELEROMETER STRAIN FREQUENCIES WERE RECALIBRATED.							
SURFACE-ARMA-A/B PLATFOR AND CONTROL	AERL-0356/TC-500-01-000 PLATFOR AND CONTROL	COMPOSITE-FACT 910702	FACTORY YES ARMA NO	1143HR	1143HR	YES ARMA NO	
FAILURE MODE-FAIL TO OPERATE AT PROGRAMMED TIME, DURING THE FACT CONTROLS IT WAS DETERMINED THAT THE SERVO MOTOR ON THE PLATFOR WAS INOPERATING.							
SYSTEM EFFECT-OPERATION OF SERVO DOES NOT START.							

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GENERAL DYNAMICS
COMPAIR DIVISION

16 JUN 1986

DIFFICULTY REVIEW-GUIDANCE SYSTEM-A:000000

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE PART NUMBER	VEHICLE DATE DIF	SITE TIME DIF	FMI OTW	VEHICLE NAME VEHICLE PART NO
VEHICLE EFFECT-COMPOSITE RESCHEDULED. FACT TEST WAS PERFORMED BUT WAS ASSIGNED THE SAME TEST NUMBER PI-SDO-01-17. CORRECTIVE ACTION-REPLACED PLATFORM.						000753
GUIDANCE-ARMA-4-A8 PLATFORM AND CONTROL	AE81-0873-PC-SDO-04-023 8TH-01 DISPLACEMENT	COMPOSITE-FACTORY 61807	25E NO	61807 NO	FACTORY NO	ARM NO
FAILURE MODE-OUT OF TOLERANCE. EXHAUSTIVE GYRO TEMPERA TURES WERE INDICATED DURING THE COMPOSITE TEST DUE TO A FAULTY SLOWED MOTOR IN THE GUIDANCE TEST SETT.						
SYSTEM EFFECT-NONE.						
VEHICLE EFFECT-NONE.						
CORRECTIVE ACTION-PLATFORM AND CONTROL UNIT REJECTED AND REPAIRED.						
GUIDANCE-ARMA-4-A8 PLATFORM AND CONTROL	AE81-0873-PC-SDO-04-023 PLATFORM	COMPOSITE-FACTORY 61807	25E NO	61807 NO	FACTORY NO	ARM NO
FAILURE MODE-FAIL TO CRUISE OPERATION AT PRESCRIBED TIME. ARMA ROLL CORRECTION END TIME COULD NOT BE DETERMINED DUE TO AN EXCESSIVE ROLL INPUT SIGNAL. THE AZIMUTH OFF SET SETTING WAS TOO LARGE.						
SYSTEM EFFECT-IMPROVED ARMA SIGNAL. ROLL CORRECTION TIME TOO LONG DUE TO A HIGH ROLL CORRECTION VOLTAGE.						
VEHICLE EFFECT-COMPOSITE DELAYED. POST-COMPOSITE TESTING REQUIRED TO SHOW PROPER OPERATION OF SYSTEM AFTER RESETTING • PLATFORM OFF SET.						
CORRECTIVE ACTION-42:16:16:16 OFFSET OF THE GUIDANCE PLATFORM SET TO PROVIDE A NORMAL ROLL INPUT SIGNAL.						
GUIDANCE-ARMA-4-A8 PLATFORM AND CONTROL	AE81-0873-PC-SDO-04-023 PLATFORM	COMPOSITE-FACTORY 61807	25E 17	61807 NO	FACTORY NO	ARM NO
FAILURE MODE-FAIL DURING CRUISE-THE ROLL SWING IS SATURATED AT 17 SECONDS WHICH PREVENTS ARM ROLL CORRECTION & THE TIME FROM BEING SETTED.						
SYSTEM EFFECT-IMPROVED ARMA SIGNAL.						
VEHICLE EFFECT-COMPOSITE RE-SCHEDULED. POST-COMPOSITE TESTING REQUIRED.						
CORRECTIVE ACTION-42:16:16:16 AZIMUTH OFFSET OF THE GUIDANCE PLATFORM WAS SET TO PROVIDE A NORMAL ROLL INPUT.						

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16 JUN 1964

SOLID DYNAMICS
COMPILE DIVISION

BREVITY CODE REVIEW-HIGHBAND SYSTEM-AIRBORNE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE PART NUMBER	VEHICLE DATE SHIP DATE OF SHIP	PII PII VEHICLE PART NO
SOLID-BALANCE-ARM-A/B PLATFORM AND CONTROL	AEG-0-900-97C-900-01-001 ACCELEROMETER	COMPOSITE-FACTORY 317 010803	FACTORY X: NO	00004
FAILURE MODE-DRATIC OPERATION- FAILURE OF THE ACCELEROMETER CAUSED VEHICLE TO STABILIZE CLOUDS STABILIZE TO OCCUR LATER. THIS WAS DUE TO THE CONFIGURATION OF THE TEST EQUIPMENT.				
SYSTEM EFFECT-DRATIC OPERATION- ACCELEROMETER STRIKES PROBABILITY DID NOT STABILIZE.				
VEHICLE EFFECT-COMPPOSITE MECHANISMS- COMPOSITE MECHANISMS.				
CORRECTIVE ACTION-NOT REQUIRED.				
SOLID-BALANCE-ARM-A/B PLATFORM AND CONTROL	AEG-0-900-97C-900-01-001 PLATFORM	COMPOSITE-FACTORY 317 010197	FACTORY YES ARM NO	00005
FAILURE MODE-OUT OF SPECIFICATION. VEHICLE ENGINES LIFTED AFTER 6 SECONDS, DURING TWO ARM ROLL STABILIZATION PORTION OF THE PROGRAM. AN INCORRECT SETUP OF THE ARM ROLL PLATFORM WAS THE CAUSE OF FAILURE.				
SYSTEM EFFECT-IMPROPER ANALOG SIGNAL.				
VEHICLE EFFECT-COMPPOSITE RECHARGED. POST COMPPOSITE TESTING REVERSED.				
SOLID-BALANCE-ARM-A/B PLATFORM AND CONTROL	AEG-0-97A-FACTORY 300-01-001 ACCELEROMETER	COMPOSITE-FACTORY 30 001001	FACTORY YES ARM NO	00006
FAILURE MODE-PRECISE OPERATION- VEHICLE CLOUD COUNTER TIME OCCURRED EARLY BY 5 SECONDS, DUE TO A REVERSE IN POSITION OF THE ACCELEROMETER.				
SYSTEM EFFECT-IMPROPER ANALOG SIGNAL.				
VEHICLE EFFECT-COMPPOSITE RECHARGED. COMPOSITE MECHANISMS.				
CORRECTIVE ACTION-ACCELEROMETER TOLERANCES REVISED.				
SOLID-BALANCE-ARM-A/B PLATFORM AND CONTROL	AEG-0-910-97-401-001-00-71 PLATFORM	COMPOSITE 001007	PII PII NO	00007
FAILURE MODE-OUT OF TOLERANCE. DIFFICULTY WAS ENCOUNTERED OBTAINING PROPER ARM ACCELEROMETER READOUTS.				
SYSTEM EFFECT-IMPROPER ANALOG SIGNALS. PROPER ARM ACCELEROMETER READOUTS COULD NOT BE OBTAINED.				
VEHICLE EFFECT-COMPONENT ISOLATED. UNDETERMINED AMOUNT OF TIME FOR NO OTHER PROBLEMS OCCURRED AT THE SAME TIME.				
CORRECTIVE ACTION-UNKNOWN.				

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13. **WIRELESS COMMUNICATIONS SYSTEM.**
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49. **WIRELESS COMMUNICATIONS SYSTEM.**
50. **WIRELESS COMMUNICATIONS SYSTEM.**

16 JUN 1994

INCIDENTS
COMPILE SECTION

BIRFECTILES REVERSE-EJECTION SYSTEM-AIRCRAFT

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	ORIG DATA SOURCE PART NUMBER	VEHICLE	BTIC DATE	BIP TIME	BIP CTR	BTIC DATE	VEHICLE PART NO
VEHICLE EFFECT-PROPELLER PROPELLATION CUTOFF. INCREASE OF THE EARLY RECO AND WECO. R/V IMPACT WAS 30 MASTICAL MELES ON GND.								
CORRECTIVE ACTION-ARMED.								
GUIDANCE-ASRA-A/3 COMPUTER	SDA-A7294-00272-003-00-10 GUIDANCE COMPUTER ASRA-A/3	FLIGHT GUIDANCE COMPUTER ASRA-A/3	116P STRUCTURE NO AREA TEST	600057	STRUCTURE NO AREA TEST	5-2	600057	STRUCTURE NO AREA TEST
FAILURE MODE-FAILURE TO OPERATE AT PROGRAMMED TIME. ADVANCED COMPUTER WAS RESET AT 5.6 SECONDS INSTEAD OF THE PLANE OF 5.0 SECONDS. THIS RESULTED FROM FAILURE OF THE 1-INCH POSITION SWITCH. DELAY RESET ACTIVATED BY UNINTENDED EJECTION RATHER THAN 1-INCH POSITION SWITCH.								
SYSTEM EFFECT-OPERATION STARTS TOO LATE. COMPUTER OPERATED WITH 0.2 SECOND DASH DUE TO THE LATE RESET.								
VEHICLE EFFECT-IMPACTOR TRAJECTORY. RELAY IN IMPACTOR COMPUTER CONTRIBUTED, IN PART, TO A NE-ENTRY VEHICLE CRASHING OF 4.8 MELES.								
CORRECTIVE ACTION-NO CORRECTIVE ACTION TAKEN. COMPUTER OPERATION WAS SATISFACTORY. DELAY WAS CAUSED BY FAILURE OF 1-1INCH POSITION SWITCH.								
GUIDANCE-ASRA-A/2 COMPUTER	CL-380-06-02 COMPUTER	COMPOSITE-FEEDBACK STRUCTURE NO AREA TEST	600052	COMPOSITE-FEEDBACK STRUCTURE NO AREA TEST	5-2	600052	STRUCTURE NO AREA TEST	600052
FAILURE MODE-FAIL DURING OPERATION. SURFACE SYSTEM COMPOSITE TEST COULD NOT BE COMPLETED.								
SYSTEM EFFECT-TRANSLOCATOR ANALOG SIGNALS.								
VEHICLE EFFECT-COMPOSITE NOT ARMED.								
CORRECTIVE ACTION-COMPOSITE DISARMED.								
GUIDANCE-ASRA-A/2 COMPUTER	CL-HD-00-02 COMPUTER	COMPOSITE-FEEDBACK STRUCTURE NO AREA TEST	600010	COMPOSITE-FEEDBACK STRUCTURE NO AREA TEST	5-2	600010	STRUCTURE NO AREA TEST	600010
FAILURE MODE-FAIL DURING OPERATION. COMPUTER FAILED MAINS TEST. RECO AND WECO OPERATED AT SAME TIME. ALSO GENERAL IS EARLY. YAW STEERING PROFILE WENT TO ZERO TO ROTATE IN BETWEEN 19.1 AND 27.2 SECONDS AFTER COMPUTER START. COMPUTER WOULD NOT RESET. RECO AND WECO BLOCKEDS OPERATED DUE TO POWER TRANSFER TO ERTU.								
SYSTEM EFFECT-TRANSLOCATOR DISCRETE SIGNAL.								
VEHICLE EFFECT-COMPOSITE RELAYER.								
CORRECTIVE ACTION-ARMED.								

16 APR 1994

SCHEMATIC
COMBAT AIRMAN

BRIEFED-REVISED-GUIDANCE SYSTEM-ATLAS

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE PART NUMBER	VEHICLE DATE DIF	SITE TIME DIF	PRI OWN/OTHER PART NO
GUIDANCE-ARMA-A/P COMPUTER	61-340-01-04 COMPUTER	COMPUTER-700/007A 640384	402 C/AM	TEA AREA NO	000451
FAILURE MODE-FAIL DURING OPERATION. COMPUTER FAILED STATUS TEST.					
SYSTEM EFFECT-IMPROPER DISCRETE SIGNAL. COMPUTER REJECT SIGNAL NOT GENERATED.					
VEHICLE EFFECT-COMPUTER DELAYED.					
CONNECTIVE ACTION-LINK MODE.					
GUIDANCE-ARMA-A/P COMPUTER	SD/AAP284-04 8/04-301-00-46 COMPUTER	PLANT	405 640212	08T-1/N YES AREA TR NO	000326
FAILURE MODE-PROBLEMS OPERATING-COMPUTER TIMING FAILED AT NEMAN 0.04 SEC. AT COMPUTER SEQUENCE 23 AND READ AN ERROR NUMBER CONSTANT (CONSTANT 4001) UNTIL COMPUTER SEQUENCE 60. OPERATION WAS THEN SATISFACTOR. ATTRIBUTED TO THE LIFT OFF AC QUASITIC AND VIBRATION ENVIRONMENT.					
SYSTEM EFFECT-IMPROPER DISCRETE SIGNALS-ENGINE CUTOFF DISCRETES WERE GENERATED AS FOLLOWS, 000 2.240 SEC., VECO 2. 000 SEC. AND 000 3.048 SEC.					
VEHICLE EFFECT-1-PROBLEMS PROPELLION CUTOFF-THIS RESULTED IN MISSILE IMPACTS APPROX. 800 M MILLS DOWN RANGE.					
CONNECTIVE ACTION-RESULTS OF ATLAS SERIES E/P WEAPON SYSTEM COMPUTER LIFT OFF AND STAGING PROBLEM (CLASSIFIED) INITIATED FOLLOWING ECP ACTION. SD/A 2494 COMPUTER ENCOUNTERS PROBLEMS. AREA ECP 100 COMPUTER CONstrained TREATMENT. AREA ECP 1 IS-1 TARGET MODE CONstrained TREATMENT AREA ECP 100 LONG TWO-STAGE SHOCKWAVE. AREA ECP 100 AND AIR 2000 HIGHLIGHT A 10 SD/A ECP 8411 (FIBERGLASS) 2 INCH HALF-BLANKET.					
GUIDANCE-ARMA-A/P COMPUTER	PLA3002/F1-500-03-03 AC, CIRCUIT BOARD	COMPOSITE-J FACT 1 640387	11/07R NO	TEA AREA NO	0007304
FAILURE MODE-FAIL DURING OPERATION. MEASUREMENT 1005M, TIME 7. ONLY WIRE DID NOT OCCUR.					
SYSTEM EFFECT-IMPROPER DISCRETE SIGNAL.					
VEHICLE EFFECT-NONE.					
CONNECTIVE ACTION-REPLACES ANALOG SIGNAL COMPUTER DUE TO DEFECTIVE LINER CARD IN THIS CONNECT. NO 0033 14.10 REPORTED.					
GUIDANCE-ARMA-A/P COMPUTER	PLA3002/F1-500-03-03 AC, CIRCUIT BOARD	COMPOSITE-J FACT 1 640387	11/07R NO	TEA AREA NO	0007305
FAILURE MODE-FAIL DURING OPERATION. TM MEASUREMENT 1005M, ANALOG SIGNAL WIRE SIGNAL, CHANGED TO DIGITAL UPON MODIFICATION.					

10 JUN 1982
PAC

GEOGRAPHIC DIVISION
COMPUTER DIVISION

DISCRETE VICS REVENGE-SUBTRACT SYSTEM-AIRBORNE

SYSTEM	TESTED/NOT TESTED	BIP DATA SOURCE	VEHICLE	SIZE	PRI	VEHICLE PART NO
FAILED COMPUTER		PART NUMBER	0014	047-240 NO ARCO		

SYSTEM EFFECT - INTEGRATE ANALOG SIGNAL.

VEHICLE EFFECT - NONE.

CORRECTIVE ACTION - INTEGRATE ANALOG SIGNAL.
S NOT REPORTED.

SYSTEM	TESTED/NOT TESTED	BIP DATA SOURCE	VEHICLE	SIZE	PRI	VEHICLE PART NO
COMPUTER	001-AP214-0001-PAC-001-00-109	FLIGHT	0014	047-240 NO ARCO		

FAILURE MODE-OUT OF DIRECTED VALUE. VEHICLE PRE-ARM SIGNAL TO THE VICS INDICATED A DECREASE IN LEVEL LEVEL UNTIL A VEHICLE SEPARATES. PRE-ARM SIGNAL IS USED TO BLOW SQUERS IN Z/V. DECREASE IN LEVEL RELATED CAUSED BY SQUERS SHOOTING INSIDE OF PODS AND OPENING. SQUERS LOCATED OCCURRED ON FLIGHTS 001, 002, 003, 004, 005, 006, 007. LONGERDUE NOT AFFECT THE HAVING VEHICLE BATTERY.

SYSTEM EFFECT - INTEGRATE DISCRETE SIGNAL-INPUT DURATION LENGTH OF THE GCU/DICE POWER SUPPLY. LOG WAS RECORDED WHEN IT WAS REPORTED. NO DETRIMENTAL EFFECT ON SYSTEM PERFORMANCE.

VEHICLE EFFECT - NONE.

CORRECTIVE ACTION - N/A/001.

SYSTEM	TESTED/NOT TESTED	BIP DATA SOURCE	VEHICLE	SIZE	PRI	VEHICLE PART NO
COMPUTER	001-0001-PAC-002-00-118	FLIGHT	0014	11/37R TES AREA		

FAILURE MODE-FAIL DURING OPERATION AT 44 SECONDS. THE RESULTS OF THE ZS Z-ACCELERATION LEVEL 001.3 TO 01.7 SECONDS. SYSTEM EFFECT-OPERATION TOO LONG. THIS MALFUNCTION RESULTED IN ACCUMULATED ERROR IN Z-VELOCITY WHICH WOULD HAVE BEEN LATE. THE COMPUTER MALFUNCTIONED UNTIL STABILIZING AND THEREAFTER IMMEDIATELY DURING THE PERIOD WHEN THE MEASURED ZS Z-VELOCITY WAS LOST.

VEHICLE EFFECT-LATE SUSTAINED ENGINE CUTOFF. AND THE MOBILE FLIGHT SEPARATE BATT/FACTORY. THIS IS CONSIDERED MALFUNCTION AND WAS CAUSED A SIGNIFICANTLY LONG IMPACT.

CORRECTIVE ACTION-N/A/001.

SYSTEM	TESTED/NOT TESTED	BIP DATA SOURCE	VEHICLE	SIZE	PRI	VEHICLE PART NO
COMPUTER	001-0001-PAC	CIRCUIT BOARD	0014	11/37R TES AREA		

FAILURE MODE-FAIL DURING OPERATION. ONE CALCULATION MADE IN THE SUBROUTINE REASON OF THE SUBROUTINE COMPUTER CIRCUIT BOARD. THE CALCULATION WAS IN THE CROSS RANGE DANCE FUNCTION. THE CHIP WAS LOCATED ON CHIP CARD ON BOARD 001.3 LOCATED IN THE B-0002.

SYSTEM EFFECT-11-CODE ANALOG ATTENUATOR. ONE CALCULATION WAS INACCURATE. NO OTHER COMPUTATIONS WERE BASED ON THE ERROR. THEREFORE, NO SUBSEQUENT CALCULATION WERE NOT AFFECTED.

PAC 8001

14 APR 1968

GENERAL INSTRUMENTS
COMPUTER DIVISION

BRIEFING FILE REVIEW-INSTANCE 61672-110000

SYSTEM	TEST/REPORT NUMBER	SIP DATA SOURCE	VEHICLE	SIZE	PRI	VEHICLE NAME
	FAILED COMPONENT NAME	PART NUMBER	BASIC BIP FILE #	CIN	CIN	VEHICLE PART NO
0000013	0000013	0000013	0000013	0000013	0000013	0000013
VEHICLE EFFECT-ARMED	0000013	0000013	0000013	0000013	0000013	0000013
CORRECTIVE ACTION-NONE.						
INSTRUMENT-ARMED-A/D COMPUTER	0000013	0000013	0000013	0000013	0000013	0000013
FAILURE MODE-FAIL DURING OPERATION. COMPUTER TEST NO-00 INDICATION RECEIVED FROM SOURCE CONTACT.						
SYSTEM EFFECT-IMPROPER ANALOG SIGNALS.						
VEHICLE EFFECT-COUNTERMEASURE ACTIVATED.						
CORRECTIVE ACTION-NONE.						
0000014	0000014	0000014	0000014	0000014	0000014	0000014
VEHICLE EFFECT-ARMED-A/D COMPUTER	0000014	0000014	0000014	0000014	0000014	0000014
FAILURE MODE-FAIL DURING OPERATION. DISCRETE VELOCITY COMPUTATIONS OCCURRED IN PEC X AND Z VELOCITY CHANNELS SEPARATELY IN 0.303 AND 0.571 SECONDS. BOTH FREQUENCIES CAUSE WAVE A DEFECTIVE SINE WAVE JOINED IN THE COMPUTER SHIFT REGISTER CIRCUIT TO BE IN A RESULTANT INTERFERENT STATE.						
SYSTEM EFFECT-IMPROPER DISCRETE SIGNAL. SINCE IN Z-VELOCITY WAS A LOSS OF 0.80 FEET PER SECOND. MalFUNCTION OF X-Y PLANE EFFECT SHOULD NOT IN AN INCORRECT ADDITION OF 10.79 FEET PER SECOND.						
VEHICLE EFFECT-IMPROPER TRAJECTORY. IMPACT OF RAY WAS APPROXIMATELY 10 FT SHORT OF TARGET.						
CORRECTIVE ACTION-NONE.						
0000015	0000015	0000015	0000015	0000015	0000015	0000015
VEHICLE EFFECT-ARMED-A/D COMPUTER	0000015	0000015	0000015	0000015	0000015	0000015
FAILURE MODE-FAIL DURING OPERATION.						
SYSTEM EFFECT-OPERATION STOPS PREMATURELY: LOSS OF SOURCE CONTACT.						
VEHICLE EFFECT-NONE.						
CORRECTIVE ACTION-NONE.						
0000016	0000016	0000016	0000016	0000016	0000016	0000016
VEHICLE EFFECT-ARMED-A/D COMPUTER	0000016	0000016	0000016	0000016	0000016	0000016
FAILURE MODE-FAIL DURING OPERATION. THE COMPUTER MALFUNCTIONED AT L11007 LINE TO AN INTERNAL READ SNACK BLOCK IN THE COMPUTER. THE FAILURE IS ATTRIBUTED TO THE AUTOMATIC ENTHALPMENT BEING L11007. THIS BLOCK IS A LOCAL VARIABLE TYPE. LOGIC IS THE WHILE COUNTED ADDRESS MATRIX.						
CORRECTIVE ACTION-NONE.						

16 JUN 1986

GENERAL SYSTEMS
COMAR Division

BIPOLARIZED SYSTEM-FAILURE SYSTEM-FAILURE

SYSTEM	TEST NUMBER / TESTER	FAILED COMPONENT NAME	BIN DATA SOURCE	VEHICLE	SITE	PIN	SCREW NAME	SCREW NUMBER	SCREW PART NO
SYSTEM EFFECT-OPERATION STOPS PREMATURELY. THIS TYPE OF FAILURE IS CONSIDERED TO BE A CLASS A FAILURE SINCE, BY ITSELF, IT WOULD NOT HAVE PREVENT GENERATED BY THE PREM COMAND.									
VEHICLE EFFECT-HAMMER TRAJECTORY.									
CONNECTIVE ACTION-CORE TRAINED COMPUTER CASE TARGET (LAMA ECP 181). A COMPUTER ENCLOSURE AND INFORMATION LINE FOR BALANCED-BOTH LINED POLYURETHANE FOAM (60/40 ECP 2446). COMPUTER TARGET 8									
ONE CONSTRAINED TARGET (LAMA ECP 181-1).									
6. SUBSYSTEM-AIRBAG-18	AABR-0184-711-0000-01-16	CONNECTIVE-PART	107	881102	11/87R	YES	AIRBAG	NO	J-400001-550
COMPUTER									
FAILURE MODE-STATIC OPERATION. DURING THE TAU STABILITY SIGNAL, MIGHT NEGATIVE AND INDICATED A 30-0.									
SYSTEM EFFECT-IMPROPER ANGLE SIGNALS.									
VEHICLE EFFECT-NONE.									
CONNECTIVE ACTION-COMPUTER WAS REPLACED WITH NEW NUMBER.									
SYSTEM EFFECT-OPERATION DOES NOT START. INDUCES FAULT INDICATION.									
VEHICLE EFFECT-COMPONENT RELATED.									
CONNECTIVE ACTION-CHANGED TARGET.									
6. SUBSYSTEM-AIRBAG-18	DABRD	CONNECTIVE-PART/VAL	82	881102	11/87R	YES	AIRBAG	NO	J-400001-550
COMPUTER	CLOCK ROLES								
FAILURE MODE-STATIC OPERATION. INTERNAL TARGET SUBSTANCE FAIL. LIQUID WAS SPILLED ON CONNECT.									
SYSTEM EFFECT-STATIC OPERATION.									
VEHICLE EFFECT-SEE									
CONNECTIVE ACTION-REPLACEMENT OF CONNECT 1 POSSIB.									

16 SEP 1994

GENERAL DYNAMICS
COMPOSITE DIVISION

BIPOLARITIES NAVTEL-GUIDANCE SYSTEM-AIRCRAFT

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIP DATA SOURCE	VEHICLE	SITE	REL	VEHICULAR NAME
	PART NUMBER		DATE DIR	TIME DIR	OTH	VEHICULAR PART NO
ARMANCE-ARM-4/3 COMPUTER	344970 TRANSMITTER	COMPOSITE-FB2/FBL	000	000014	F/PAIR	TES AREA NO
FAILURE MODE-STATIC OPERATION. PRESENCE OF OUTGASES FAIL INDICATION ON FIRST TARGET SELECTED. REQUIRED TO BE TRANSPOSED IN OUTGASES COMPUTER.						
SYSTEM EFFECT-OPERATION STOPS PREMATURELY. OUTGASES SYSTEM FAILED TO CONTINUE COUNTDOWN.						
VEHICLE EFFECT-CONTINUATION DELAYED.						
CORRECTIVE ACTION-TRANSMITTER UNFFECTED BY LONG PERIODS OF LOW TEMPERATURE WERE INCLUDED IN DESIGN OF OUTGASES COMPUTER.						
ARMANCE-ARM-4/3 COMPUTER	AM1-L034 P1-003-00-00 ARM SUBDICE COMPUTER BLOCK	FLIGHT	SP	11/07/94	TEA	807215 NO
FAILURE MODE-FAIL-DURING OPERATION. INTERMITTENT OPEN BIAS IN THE MATRIMONIATION COUNTER BECAUSE MATRIX OF THE HIGH GAIN TIMING UNIT.						
SYSTEM EFFECT-INTERFACER DISCRETE SIGNALS. OPEN BIAS CAUSED CURRENT X VELOCITY TO BE UNEXPECTEDLY INSERTED INTO THE Z VELOCITY CHANNEL.						
VEHICLE EFFECT-FROM TIME MASTIFFE DESTINE CIRCUIT. THE COMPUTER ISSUED THE MASTIFFE AND WORKER CUTOFF DISCRETES.						
CORRECTIVE ACTION-THE CLEAR PROGRAM INDICATED WHICH COMPUTER FUNCTIONS MAY BE DUE TO THE ACOUSTICAL EQUIPMENT 4 T LIGHTOFF. GUIDANCE COMPUTERS WILL BE SHIELDED FROM ACOUSTICAL ENERGY BY AN ACOUSTICAL BLANKET AND MOUNTING OF COMPUTER WILL BE TIGHTENED. COMPONENTS OF COMPUTER WILL BE COATED WITH SOUND ABSORBING MATERIAL.						
ARMANCE-ARM-4/3 COMPUTER	AM1-01308/FBL-000-01-00 COMPUTER	COMPOSITE-F/PAIR	SP	11/07/94	TEA AREA NO	800030
FAILURE MODE-FAIL-DURING OPERATION-COMPUTER FAILED SHIELD TWO COMPOSITE PODS.						
SYSTEM EFFECT-UNSHIELDED.						
VEHICLE EFFECT-None.						
CORRECTIVE ACTION-THE COMPUTER WAS REPLACED, NO RESEQUENCE OF PODS.						
ARMANCE-ARM-4/3 COMPUTER	B4433 TAN STEERING AMPLIFIER	COMPOSITE-FB2/FBL	SP	011187	F/PAIR	TES AREA NO
FAILURE MODE-FAIL-DURING OPERATION. BULBANCE FAIL LIGHT ILLUMINATED DUE TO A FAULTY TAN STEERING AMP1724A						
SYSTEM EFFECT-OPERATION STOPPED IMMEDIATELY. TERMINATED WORKING CHANNELS SEPARATE.						

10 APR 1990

TELEMETRY
COMMITTEE DIVISION

BIRDFLIGHT TEST-OUTLINE & SYSTEM-STATUS

SYSTEM	TEST/OPERATOR NUMBER	SIP DATA SOURCE	VEHICLE NAME	SITE	PIN	VEHICLE STATUS	ON	OFF	ON	A
VEHICLE EFFECT-SPL. COMPUTER	FAILS COMPUTER INPUT	DATA FROM COMPUTER	VEHICLE-A	SITE 617	TIME 0700	FACTORY YES	NO	NO	NO	NO
REFERENCE-ARIA-A/3 COMPUTER	ADS-1021/PC-CO-01-329	COMPOSITE-FACTORY	VEHICLE-B	SITE 61808	TIME 0700	FACTORY NO	2-00031-329			
VEHICLE EFFECT-SPL. COMPUTER	FAILS COMPUTER INPUT	DATA FROM COMPUTER	VEHICLE-C	SITE 61908	TIME 0700	FACTORY NO	NO	NO	NO	NO
REFERENCE-ARIA-A/3 COMPUTER	ADS-1021/PC-CO-01-329	COMPOSITE-FACTORY	VEHICLE-D	SITE 61908	TIME 0700	FACTORY NO	2-00031-329			
Failure mode-set of tolerance. Data indicated a static discrete time of 4.3 seconds the maximum time allowed is 1.8 seconds.										
System effect-Imposed discrete signals. Imposing discrete occurred 0.1 seconds too late during test.										
Vehicle effect-composite delayed.										
Connective action-post-composite team assigned to determine cause of imprecision. This condition would not occur during test-time. The problem was attributed to a computer cold-work condition.										
Failure mode-set of tolerance. The ram steering data displayed excessive distortion throughout the test. Inputs initiation showed a faulty age servo motor pre-preamplifier.										
Connective action-post-composite testing required to isolate source of imprecision.										
Failure mode-creep operation. Antenna failed for short periods of time ranging from 4.1 to 9.0 seconds.										
System effect-antenna not start. Antenna fail and indicate on log.										
Vehicle effect-age.										
Connective action-log.										
Failure mode-set of tolerance at preceding time. Target 1 could not be selected.										

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10 JUN 1988

GENERAL - AIRCRAFT
COMBAT DIVISION

DIFFICULTIES REVIEW-MIDBANE SYSTEM-AIRBORNE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIP DATA SOURCE PART NUMBER	VEHICLE DATE DIF	SITE TIME DIF	PRI OTH	VENDEUR NAME PART NO
SYSTEM EFFECT-ERRATIC OPERATION. A SWINGARM FAIL RED INDICATION WAS RECEIVED ON THE LCC.						
VEHICLE EFFECT-NONE.						
CORRECTIVE ACTION-UNKNOWN.						
MIDBANE-AIRPA-4/8 COMPUTER	DA34/451-3ND-08-24 COMPUTER	COMPOSITE-FMS/DPL 245 610800	F/MTTR NO AFRA ON	TELE APP NO TES0003 PES0003	604713	
FAILURE MODE-ERRATIC OPERATION. STEPPING SWITCH 13 OPERATED ERRATICALLY.						
SYSTEM EFFECT-OPERATION DOES NOT START. SWITCH POSITION 14 DID NOT START.						
VEHICLE EFFECT-COMPOSITE DELAYED.						
CORRECTIVE ACTION-UNKNOWN.						
MIDBANE-AIRPA-4/8 COMPUTER	A001-0148/FMS-300-01-25 COMPUTER	COUNTERS 610915	ESE NO TES0003 PES0003	11/MTH NO AFRA ON	604713	
FAILURE MODE-FAILED DURING OPERATION. DURING AIRWA GUIDANCE CHECKOUT PHASE OF FACT TEST, NO SOS WERE RECEIVED ON TWO COMPUTER RUNS.						
SYSTEM EFFECT-ERRATIC OPERATION.						
VEHICLE EFFECT-COMPOSITE DELAYED.						
CORRECTIVE ACTION-REPLACE COMPUTER AND DIGITAL SIGNAL CONVERTER S/N 714071. THIS SAME COMPUTER SUBASSEMBLY FAILED AGAIN DURING AN AUTOPILOT/GUIDANCE CHECKOUT.						
MIDBANE-AIRPA-4/8 COMPUTER	A001-0205/DS205/71-50F-18-11 COMPUTER	COMPOSITE-FMS/DPL 11-E 610907	C/MTTR YES AFRA ON	TELE APP NO TES0007 PES0007	604713	
FAILURE MODE-FAIL DURING OPERATION COMPUTER MALFUNCTION. SYSTEM EFFECT-OPERATION DOES NOT START.						
SYSTEM EFFECT-OPERATION DOES NOT START.						
VEHICLE EFFECT-COMPOSITE DELAYED.						
CORRECTIVE ACTION-UNKNOWN.						
MIDBANE-AIRPA-4/8 COMPUTER	ADC-0003/DA378/41-50F-18-11 COMPUTER	COMPOSITE-FMS/DPL 11-E 610907	C/MTTR YES AFRA ON	TELE APP NO TES0007 PES0007	604713	
FAILURE MODE-FAILED DURING OPERATION. COMPUTER FAILURE.						

18 JUN 1964

GENERAL DYNAMICS
CONVAIR DIVISION

DIFFICULTIES REVIEW-GUIDANCE SYSTEM-AIRCRAFT

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIP DATA SOURCE PART NUMBER	VEHICLE DATE OF/P	SITE TIME OF/P	PRI	VENDE PART NO
GUIDANCE-ARMIA-A/B COMPUTER	AD61-02435/MAF7D/C1-3EF-13-11 COMPUTER	COMPOSITE-F90/90L 619603	11-E 019603	C/MT 00	TES ARMA NO	696717
SYSTEM EFFECT-OPERATION DOES NOT START. GUIDANCE FAIL. VEHICLE EFFECT-COMPOSITE RELATED.						
CORRECTIVE ACTION-UNKNOWN.						
GUIDANCE-ARMIA-A/B COMPUTER	AD61-02501/MAF50E/C1-3CF-08-11 COMPUTER COUNTER	COMPOSITE-F90/90L 619613	11E 019613	STB-C/MT R NO	TES ARMA NO	697517
SYSTEM EFFECT-OPERATION FAIL DURING OPERATION. FAILURE OF COMPUTER TO PASS SELF CHECK. STATION EFFECT-OPERATION DOES NOT START. GUIDANCE FAIL AND INDICATION ON LCC. VEHICLE EFFECT-COMPOSITE RELATED.						
CORRECTIVE ACTION-UNKNOWN.						
GUIDANCE-ARMIA-A/B COMPUTER	AD61-03001/MAF50E/C1-3CF-08-11 COMPUTER COUNTER	COMPOSITE-F90/90L 619603	11E 019603	STB-C/MT R NO	TES ARMA NO	697407
SYSTEM EFFECT-OPERATION FAIL DURING OPERATION. FAILURE OF COMPUTER TO PASS SELF CHECK. IN INVERTER START CIRCUITS COMPUTER TO LOSE A COUNT.						
VEHICLE EFFECT-None.						
CORRECTIVE ACTION-FILTER PLANNED TO BE INSTALLED IN FUTURE TO PROHIBIT SPICES FROM GETTING THROUGH.						
GUIDANCE-ARMIA-A/B COMPUTER	AD61-05448/MAF-90B-0C-07 COMPUTER, DISCRETE	FLIGHT 610007	017-1/N TR NO	017-1/N TES ARMA NO		
SYSTEM EFFECT-EXHAUSTIVE OPERATION. IRREGULARITIES CONSISTING OF DISTINCT JUMPS IN THE COMPUTER AND VELOCITY CHANNEL WERE REPORTED AFTER ENGINE IGNITION, PRIOR TO LI TOFF AND BEFORE THE VEHICLE EXPLOSION. THE IRREGULARITIES WERE ATTRIBUTED TO POSSIBLE INTERMITTENT OPERATION OF AN AMPLIFIER IN THE REVERSIBLE COUNTER.						
VEHICLE EFFECT-None.						
CORRECTIVE ACTION-None. NO ACUTE-LINE ARMS FOR IN TH ACOSTIC MATERIAL.						

18 JUN 1986

GENERAL DYNAMICS
CONVAIR DIVISION

AIRQUALITY REVIEW-GUIDANCE SYSTEM-AIRBORNE

SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	SIP DATA SOURCE PART NUMBER	VEHICLE-DIF DATE DIF	SITE TIME DIF	PRI	VEHICLE NAME VENDOR PART NO
GUIDANCE-ARMA-4/8 COMPUTER	DA491/PC-140-90-11 COMPUTER	COMPOSITE-FD/RPL 910006	11C 910006	370C/WTR YES ARMA NO	007310	
	FAILURE MODE-FAIL DURING OPERATION-THE COMPUTER DIGITAL FAILURES WERE INDICATED.					
	SYSTEM EFFECT-EMERGENT OPERATION-F/T/E GUIDANCE FAIL. INDICATION RECEIVED DURING TEST.					
	VEHICLE EFFECT-COUNTERMEASURE DELAYED.					
	CORRECTIVE ACTION-URGENT-CAUSE OF COMPUTER FAILURES HAS NOT BEEN RESOLVED.					
GUIDANCE-ARMA-4/8 COMPUTER	DA491/PC-140-90-11 COMPUTER	COMPOSITE-FD/RPL 910006	11C 910006	370C/WTR YES ARMA NO	006510	
	FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. IMPROPER DIGITAL OUTPUT.					
	SYSTEM EFFECT-IMPROPER DISCRETE SIGNALS. A GUIDANCE NOT FAIL INTERLOCK SIGNAL WAS NOT RECEIVED BY THE LAUNCH CONTROL SYSTEM.					
	VEHICLE EFFECT-COMPOSITE DELAYED.					
	CORRECTIVE ACTION-URGENT.					
GUIDANCE-ARMA-4/8 COMPUTER	AB01-0073-7PC-500-01-17 ANALOG SIGNAL CONVERTER	COMPOSITE-F FACT 910003	17C 910003	11C/WTR YES ARMA NO	003754	
	FAILURE MODE-EMERGENT OPERATION. A DELAY IN COMMENCING FACT TEST WAS CAUSED BY A DEFECTIVE ANALOG SIGNAL CONVERTER.					
	SYSTEM EFFECT-EMERGENT OPERATION.					
	VEHICLE EFFECT-COMPOSITE RESCHEDULED. FACT TEST DELAYED ONE DAY.					
	CORRECTIVE ACTION-REPLACED ANALOG SIGNAL CONVERTER.					
GUIDANCE-ARMA-4/8 COMPUTER	AB01-0168-7PC-300-01-034 COMPUTER, TRANSMITTER	COMPOSITE-F FACTORY 910003	FACTORY YES ARMA NO			
	FAILURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME-THE VAM UTILITY SIGNAL INDICATED FAILURE OF THE COMPUTER TO GENERATE THE REQUIRED NEGATIVE VOLTAJE AT THE BEGINNING AND END OF THE 16 PROBLEM. FAILURE OF THE COMPUTER WAS ATTRIBUTED TO A COLD BIAS CONDITION.					
	CORRECTIVE ACTION-IMPROPER DIGITATE SIGNALS. COMPUTER FAILED TO GENERATE PROPER OUTPUT SIGNALS.					
	VEHICLE EFFECT-COMPOSITE RESCHEDULED. REPAIR OF COMPUTER REQUIRED.					

16 JUL 1968

GENERAL DYNAMICS
CONVAIR DIVISION

DIFFICULTIES REVIEW-GUIDANCE SYSTEM-AIRCRAFT

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIF DATA SOURCE PART NUMBER	VEHICLE DATE DIP	SITE TIME DIP	PFI DIF/OTH	VENDOR NAME VENDOR PART NO
CORRECTIVE ACTION-PFO TEMPERATURE INCREASED.						
GUIDANCE-ARMA-A/P COMPUTER	AAS1-00417/PC-SCO-01-12 COMPUTER	COMPOSITE-U FACT 610428	12E 610428	11-7/78A TIME DIP	YES ARMA NO	SP9401 608166
FAILURE MODE-DRAMATIC OPERATION. THE X OFFSET DID NOT SET UP CORRECTLY. IT WAS SUSPECTED THAT THE GRAVITY OSCILLATOR WAS NOT STABLE.						
SYSTEM EFFECT-UNKNOWN.						
VEHICLE EFFECT-UNKNOWN.						
CORRECTIVE ACTION-THE 15 BOMB WAS REMOVED FROM THE COMPUTER AND THE DILY BOARD INSTALLED. THE INTEGRATOR DOT IN THE ACCELEROMETER WAS REPLACED.						
GUIDANCE-ARMA-A/P COMPUTER	AES1-02727/PC-SCO-01-043 COMPUTER	COMPOSITE-FACTORY 610412	43E 610412	FACTORY NO ARMA NO		608309
FAILURE MODE-PREMATURE OPERATION-STAGING OCCURRED AT 37.2 SECONDS WHEN 40.23 SECONDS WAS NOMINAL. ACCELEROMETER INPUT LINE CHANGE OCCURS AT T-0 WITH LOT 11 TEST EQUIPMENT. AS A RESULT AN INITIAL SURGE OF FREQUENCY IS REACHED BY THE COMPUTER AT T-0 AND RESULTS IN EARLY STAGING.						
SYSTEM EFFECT-IMPROPER DISCRETE SIGNALS.						
VEHICLE EFFECT-COMPONENT RESCHEDULED. A PARTIAL COMPOSITE RETEST WAS REQUIRED.						
CORRECTIVE ACTION-THE LOT 2N TEST EQUIPMENT 10300 PANEL WAS MODIFIED TO PROGRAM THE ACCELEROMETER SCALING CHANGE FOR T-0 TO T-3, ELIMINATING THE PROBLEM.						
GUIDANCE-ARMA-A/P COMPUTER	AES1-02657/PC-527-02-026 COMPUTER	COMPOSITE-FACTORY 610519	38C 610519	FACTORY NO ARMA NO		608403
FAILURE MODE-OUT OF TOLERANCE. THE YAW STEERING PROFILE WAVEFORMS EXCEEDED THE MAXIMUM LIMITS THROUGHOUT THE TEST-THE AGE WAS IMPROPERLY CALIBRATED.						
SYSTEM EFFECT-IMPROPER ANALOG VOLTAGE-COMPUTER OUTPUT TOO HIGH.						
VEHICLE EFFECT-COMPONENT RELOCATED. A SATISFACTORY POST COMPOSITE TEST WAS MADE AFTER THE YAW CHANNEL WAS PROPERLY CALIBRATED.						
CORRECTIVE ACTION-YAW CHANNEL RE-CALIBRATED.						

GENERAL AIRCRAFT
COMMERCIAL DIVISION

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BIBLIOGRAPHY

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE PART NUMBER	VEHICLE DATE	SITE DIV	DIV TIME	DIV OTH	PAL	VENDOR NAME VENDOR PART NO
OUTBOARD-ARMA-A/D	AESI-0299-PTC-ECO-01-011	COMPOSITE-FACTORY	315	FACTORY	00	00	00	00

FAILURE MODE-DRIVEN CHAOTIC OSCILLATIONS ON VAN DER POL'S PAPER FROM THE WILDEIN CIRCUIT.

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FAILURE MODE-FAIL DURING OPERATION-AN ANOMALY YAN STEERING PROFILE WAS OBSERVED. THIS WAS ATTRIBUTED TO A COMPUTER

PRINCIPLES OF POLYMER SCIENCE

RE-VEHICLE EFFECT-COMPOSITE RESCHEDULED. COMPOSITE RETEST WAS REQUIRED, CONSECUTIVE ACTION-OCT 2003, WERE CAUTIONED TO MUCH A BRIEF WAIT UP PERIOD PRIOR TO SIZING THE COUNTDOWN - AS

THE PROBLEM OF THE MOISTURE PROBLEM.

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AT T-30 SECONDS INTO THE INERTIA TEST, THE ACCELEROMETER SCALED A CHANGE OCCURRED AT T-25 SECONDS WHICH INDICATED THAT THE EQUIPMENT WAS IN STABILIZED POSITION. AS A RESULT, AN INITIAL STATE OF FREQUENCY IS SENSED BY THE COMPUTER AT T-0 AND REMAINS IN EARLY STABILIZATION.

REVIEWS: BINGOL-INGOL: SINGELLE HOUTEN

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TIME-CONSTANT ACTION-TIME CONNECTIVE TEST EQUIPMENT HAS MODIFIED TO PROGRAM THE ACCELEROMETER SCALING PRIOR TO T-0.

REF ID: A620-161875C-KO-05-014
COMPUTER
COMPUTER

FAILURE MODE-FAIL TO RECREATE AT PRECALC 17K. THE VEHICLE CANNOT RELAY LATITUDE/DISTANCE DID NOT RECENTLY WHEN THE WAS COM

16 JUN 1966

GENERAL DYNAMICS
CORPORATION DIVISION

DIFFICULTIES REVIEW-GUIDANCE SYSTEM-AIRCONE

SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME PART NUMBER	DIF DATA SOURCE	VEHICLE	SITE	TELE	VEHICLE NAME
			DATE DIF	TIME DIF	0TH	VEHICLE TEST NO
GUIDANCE-ARM-A/B	AEGD-0334/P1-402-00-00 COUNTER-CIRCUITRY	FLIGHT	600	11/2TR	YES	ARM

SYSTEM EFFECT-OPERATION TOO LONG-.

VEHICLE EFFECT-COMPONENT REACHES 0.2. PARTIAL COMPOSITE REACT WAS REQUIRED.

CORRECTIVE ACTION-THE AUTOMATIC RESET CIRCUITRY (ARM) WAS REPAIRED.

SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME PART NUMBER	DIF DATA SOURCE	VEHICLE	SITE	TELE	VEHICLE NAME
			DATE DIF	TIME DIF	0TH	VEHICLE TEST NO
GUIDANCE-ARM-A/B	AEGD-0334/P1-402-00-00 COUNTER-ANALOG SIGNAL	COUNTDOWN	600	11/2TR	NO	ARM

FAILURE MODE-EMERGENT OPERATION. Z AXIS ACCELEROMETER CHANNEL INPUT TO COMPUTER DID NOT FUNCTION PROPERLY BETWEEN 13.6 AND 14.1 SECONDS. THE SIXTH STATE OF THE REVERSIBLE COUNTER WHICH OPERATES AT LEVELS OVER 46 DID NOT READ-OUT PROPERLY.

SYSTEM EFFECT-OPERATION TOO LOW. FAILURE OF COUNTER TO READ-OUT PROPERLY CAUSED LOW Z AXIS VELOCITY READINGS IN THE MAIN VELOCITY REGULATOR. THE COMPUTED Z VELOCITY WAS THIS 304 FEET PER SECOND TOO LOW FROM 145 SECONDS TO END OF PLANNED FLIGHT.

VEHICLE EFFECT-NONE. NO VEHICLE OR MISSION EFFECT INDICATED. YAW STEERING IS IMMEDIATE TO Z VELOCITY. BOOSTER CUT OFF DISCRETE IS A FUNCTION OF X VELOCITY ONLY. SUSTAINED CUTOFF WAS GIVEN BY RANGE SAFETY AUTOMATIC FUEL CUTOFF SIGNAL.

CORRECTIVE ACTION-REVISED PREFLIGHT CHECKOUT PROCEDURE TO ASSURE ALTERNATE TEST OF THIS FUNCTION.

SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME PART NUMBER	DIF DATA SOURCE	VEHICLE	SITE	TELE	VEHICLE NAME
			DATE DIF	TIME DIF	0TH	VEHICLE TEST NO
GUIDANCE-ARM-A/B	AEGD-0334/P1-402-00-00 COMPUTER-DIGITAL SIGNAL	COMPUTER	600	11/2TR	NO	ARM

FAILURE MODE-EMERGENT OPERATION. THE ANALOG SIGNAL CONVERTER EMITTED A FAULT CONDITION DURING THE SECOND GPC TEST.

SYSTEM EFFECT-NONE.

VEHICLE EFFECT-COUNTDOWN ABORTED AND RECHARTED. THE TEST WAS TERMINATED TO TROUBLESHOOT THE PROBLEMS.

CORRECTIVE ACTION-THE ASC WAS REPLACED.

SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME PART NUMBER	DIF DATA SOURCE	VEHICLE	SITE	TELE	VEHICLE NAME
			DATE DIF	TIME DIF	0TH	VEHICLE TEST NO
GUIDANCE-ARM-A/B	AEGD-0334/P1-402-00-00 ARM DIGITAL SIGNAL CONVERTER	COMPUTER	540	11/2TR	YES	ARM

FAILURE MODE-EMERGENT OPERATION. DURING FACT TEST, THE DIGITAL SIGNAL CONVERTER MALFUNCTIONED.

SYSTEM EFFECT-EMERGENT OPERATION.

VEHICLE EFFECT-COMPONENT RELATED. COMPUTER WAS RELOADED AT 160 MINUTES WHILE DEFECTIVE COMPONENT WAS REPLACED.

CORRECTIVE ACTION-ARM DIGITAL SIGNAL CONVERTER WAS REPLACED. REPLACEMENT ITEM OPERATED SATISFACTORILY.

16 JUN 1984

GENERAL DYNAMICS
CORPORATION DIVISION

DIFFICULTIES REVIEW-GUIDANCE SYSTEM-A1200E

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIP DATA SOURCE PART NUMBER	VEHICLE DATE BIP	BITE TIME BIP	FNU	VEHICLE NAME PART NO
GUIDANCE-ARPA-4-7B COMPUTER	PTA8441P1-4C0-01-42 COMPUTER	PWY	450	11/27/84	YES	ARPA
FAILURE MODE-FAIL-BUINS OPERATION. AT PLUS 4.40 SECONDS, THE COMPUTER STARTED COUNTS AND LATER COMPUTER VA LUES BECAME GARBLED. VIBRATION WAS SUSPECTED CAUSE OF THE MALFUNCTION.						
SYSTEM EFFECT-INTEGRITY DISCRETE SIGNALS.						
VEHICLE EFFECT-NONE.						
CORRECTIVE ACTION-COMPUTER REACHED AFTER TEST FOR INVESTIGATION.						
GUIDANCE-ARPA-4-7B COMPUTER	PTA8441P1-4C0-01-42 COMPUTER	COMPOSITE-B FACT	450	11/27/84	NO	ARPA
FAILURE MODE-OUT OF TOLERANCE. THE X EIGHTNET LOOP SHOULD NOT FUNCTION PROPERLY.						
SYSTEM EFFECT-ERRATIC OPERATION.						
VEHICLE EFFECT-NONE.						
CORRECTIVE ACTION-UNKNOWN.						
GUIDANCE-ARPA-4-7B COMPUTER	PTA8441P1-4C0-01-42 COMPUTER	COMPOSITE-B FACT	450	11/27/84	NO	ARPA
FAILURE MODE-OUT OF TOLERANCE. THE COMPUTER WAS NOT RESET AT 5 SECONDS AND THEREFORE DID NOT SOLVE THE CONNECT PRO BLEM. THIS WAS CAUSED BY FAILURE OF THE RESET CIRCUITRY IN THE GROUND TEST EQUIPMENT.						
SYSTEM EFFECT-OPERATION DOES NOT START. THE COMPUTER WAS NOT RESET AND DID NOT BEGIN COMPUTATION - THE LOGIC WAS STUCK.						
VEHICLE EFFECT-COMPUTER REACHED.						
CORRECTIVE ACTION-REPLACED POWER SUPPLY IN GROUND RESET CIRCUITRY.						
GUIDANCE-ARPA-4-7B COMPUTER	PTA8441P1-4C0-01-42 COMPUTER	COMPOSITE-B FACT	450	11/27/84	NO	ARPA
FAILURE MODE-OUT OF TOLERANCE. THE ANALOG SIGNAL CONVERTER CHANNEL 04 (ROLL RESOLVER SIGNAL) APPEARED INOPERATIVE.						
SYSTEM EFFECT-1-INPUT/DISCRETE ANALOG SIGNAL. THE ANALOG SIGNAL CONVERTER CHANNEL 05 APPEARED INOPERATIVE.						
VEHICLE EFFECT-NONE.						

14 JUN 1968

GENERAL DYNAMICS
CONTINENTAL DIVISION

BIFACILITIES REVIEW-GUIDANCE SYSTEM-AIRBORNE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE PART NUMBER	VEHICLE DATE DIF	SITE TIME DIF	PRI OTN	VENDOR NAME VENDOR PART NO
CORRECTIVE ACTION-REPLACE ANALOG SIGNAL CONVERTER. LAS CHECK WAS SATISFACTORY.						
GUIDANCE-DE MEC 111A-A/B RATE BEACON	AES1-0082/P4-004-00-108 RATE BEACON	COUNTDOWN 002020	1000 -7200	14/ETR NO IC	TES	GENERAL ELECTRIC 890835
FAILURE MODE-EMERGIC OPERATION. INDEFINITE RETURN AT GROUND STATION FROM RATE BEACON. CAUSE UNKNOWN.						
SYSTEM EFFECT-EMERGIC OPERATION.						
VEHICLE EFFECT-COUNTDOWN DELAYED. PLANNED HOLD AT T-100 EXCEEDED 49 MINUTES TO REPLACE RATE BEACON AND TEST REPLACE NEW RATE BEACON.						
CORRECTIVE ACTION-REPLACE BEACON.						
GUIDANCE-DE MEC 111A-A/B RATE BEACON	AES1-0015/PC-400-01-088 RATE BEACON	COMPOSITE-FACTORY 010421	SAD FACTORY NO	12/ETR NO IC	TES	GENERAL ELECTRIC 890837
FAILURE MODE-EMERGIC OPERATION. SWEEPING OF THE VOLTAGE PROPORTIONAL TO RATE BEACON POWER OCCURRED JUST PRIOR TO PO WER CHANGOVER BACK TO EXTERNAL.						
SYSTEM EFFECT-EMERGIC OPERATION.						
VEHICLE EFFECT-COMPOSITE RESCHEDULED. POST-COMPPOSITE TESTING WAS REQUIRED.						
CORRECTIVE ACTION-ATTRIBUTED TO UNSTABLE SIGNAL GENERATOR. COULD NOT REPEAT CONDITION DURING SUBSEQUENT RETESTS.						
GUIDANCE-DE MEC 111A-A/B RATE BEACON	25-7-211/72-308-00-03 RATE BEACON	FLIGHT 061223	SC 100	12/ETR NO IC	TES	GENERAL ELECTRIC 890834
FAILURE MODE-EMERGIC OPERATION. RATE SYSTEM TEMPORARY LOSS OF LOCK FROM 100 TO 104 SECONDS DUE TO POOR ANTENNA LOOK ANGLE.						
SYSTEM EFF. T-EMERGIC OPERATION. LOSS OF LOCK IN RATE SYSTEM BETWEEN 100 AND 104 SECONDS PRODUCED BAD RATE DATA PLA CE DURING THAT INTERVAL. GUIDANCE SYSTEM DIFFERENTIATES TRACK DATA UNDER THESE CONDITIONS WHICH , BECAUSE OF NOISE, A NO SHORT SMOOTHING INTERVAL USED, PRODUCES NOisy SUBSTITUTE RATE DATA. EMERGIC STEERING COMMAND GENERATED AS RESULT!						
VEHICLE EFFECT-NONE. ALTHOUGH EMERGIC STEERING COMMANDS WERE GIVEN DURING RATE LOCK LOSS, NO LASTING EFFECT ON TRAJE CYTIC RESULTED.						
CORRECTIVE ACTION-COVIDERED LONGER SMOOTHING INTERVAL FOR TRACK DATA DURING RATE LOCK LOSSES. ALSO IMPROVED ANTEN A AND CONTROL OF LOOK ANGLES.						

18 JUN 1988

GENERAL MANICA
CHIEF AIR LIVIGATION

DIFFICULTIES REPORT-GUIDANCE SYSTEM-AIRCONE

SYSTEM	TEST/REPORT NUMBER	DATA SOURCE	VEHICLE	SITE	PART	VENOR NAME
	FAILED COMPONENT NAME	PART NUMBER	DATE DIF	TIME DIF	OTH	VENOR PART NO
GUIDANCE-SL MOD 1111-A1A 204-7-654/FC-5CO-08-01 RATE BEACON	COMPOSITE-FACTORY	3C SA1125	FACTORY	NO 1C		

FAILURE MODE-OUT OF TOLERANCE. POWER WAS BELOW 0.36 WATTS AS INDICATED BY A MIDWESTERN RECORDER.

SYSTEM EFFECT-OPERATION TCG LOS.

VEHICLE EFFECT-COMPOSITE DELAYED.

CORRECTIVE ACTION-LANCON.

GUIDANCE-SL MOD 1111-A1A RATE BEACON	PLATE-MECHANIC-MERCON CONNECTOR	COMPOSITE-FACTORY	3C SA1125	FACTORY	NO 1C	GENERAL ELECTRIC 8970427
	70418239					

FAILURE MODE-FAILED DURING OPERATION. LOSS OF 100 VOLT POWER AND HIGH HARMONIC CURRENT TRACED TO HIGH CURRENT DRAWING OF CONNECTOR AREA.

SYSTEM EFFECT-OPERATION STOPS PREMATURELY.

VEHICLE EFFECT-COMPOSITE DELAYED.

CORRECTIVE ACTION-CONNECTOR AND PLATE REASON REPAIRED.

GUIDANCE-SL MOD 1111-A1A RATE BEACON	PLATE-MECHANIC CONNECTOR	COMPOSITE-FACTORY	3C SA1125	FACTORY	NO 1C	GENERAL ELECTRIC 8970428

FAILURE MODE-OUT OF TOLERANCE. AT 96 SECONDS, TELEMETRY INDICATED A TURBINE ANGLE OF 100 DEGREES. THIS WAS NOT THE CORRECT POSITION.

SYSTEM EFFECT-TELEMETRIC POSITION.

VEHICLE EFFECT-TELEMETRIC POSITION.

GUIDANCE-SL MOD 1111-A1A RATE BEACON	PLATE-MECHANIC CONNECTOR	COMPOSITE-FACTORY	3C SA1125	FACTORY	NO 1C	GENERAL ELECTRIC 8970428

FAILURE MODE-OUT OF TOLERANCE. FROM 70 SECONDS TO 150 SECONDS, TELEMETRY POSITION WAS 100 DEGREES. THIS WAS NOT THE CORRECT POSITION.

SYSTEM EFFECT-TELEMETRIC POSITION.

VEHICLE EFFECT-TELEMETRIC POSITION.

CORRECTIVE ACTION-REPLACED PLATE AS PERFORMED IN THE PLATE MAINTAIN.

FAILURE MODE-OUT OF TOLERANCE. POSITION INDICATED 72114. THIS WAS NOT THE CORRECT POSITION.

SYSTEM EFFECT-TELEMETRIC POSITION.

VEHICLE EFFECT-TELEMETRIC POSITION.

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9164

14 JAN 1966

GENERAL DYNAMICS
CONVAIR DIVISION

DIF/COMITE REVIEW-GUIDANCE SYSTEM-AIRBORNE

SYSTEM	TEST / REPORT NUMBER	DIF DATA SOURCE	VEHICLE	SITE	PRI	VENDOR NAME	VENDOR PART NO
AIR-B-SYSTEM	FAILED COMPONENT NAME	PART NUMBER	DATE DIF	TIME DIF	OTH		
GUIDANCE-SC MOD 111A-1/8	AESI-0013/PC-420-07-064	COMPOSITE-FACTORY	840	FACTORY	YES	GENERAL ELECTR	069603
PULSE BEACON		910421			NO	IC	
FAILURE MODE-DRIFT. MANY SMALL SURGES OF THE VOLTAGE PROPORTIONAL TO MAGNETRON CURRENT WERE OBSERVED ON THE TEST DATA.							
SYSTEM EFFECT-COMPOSITE RESCHEDULED. SYSTEM LEVEL AND COMPOSITE TESTING WAS REQUIRED.							
VEHICLE EFFECT-PULSE BEACON WAS REPLACED.							
CORRECTIVE ACTION-PULSE BEACON WAS REPLACED.							
GUIDANCE-SC MOD 111A-1/8	AESI-0013/PC-420-01-064	COMPOSITE-FACTORY	840	FACTORY	YES	GENERAL ELECTR	069604
PULSE BEACON	PULSE BEACON	901210			NO	IC	
FAILURE MODE-DRIFT. PULSE BEACON SENSITIVITY OF -67 DBM DID NOT COMPARE WITH THE -72 DBM RECORDED ON THE SYSTEM TEST.							
SYSTEM EFFECT-OPERATION TOO LOW.							
VEHICLE EFFECT-COMPOSITE RESCHEDULED. POST-COMPOSITE TESTING WAS REQUIRED.							
CORRECTIVE ACTION-UNKNOWN.							
GUIDANCE-SC MOD 111A-1/8	A2B-87-420/7PC-420-01-064	COMPOSITE-FACTORY	840	FACTORY	YES	GENERAL ELECTR	069627
PULSE BEACON	PULSE BEACON	901310			NO	IC	
FAILURE MODE-DRIFT OPERATION. THE PULSE BEACON ACC. MONITORED ON CHANNEL 13. DISPLAYED VARIATIONS FROM ABOUT ± TO 40PFCT REPRESENTING FROM 0.19 TO 0.39VDC. THIS OUTPUT WAS SUBSEQUENTLY MONITORED WITH A VTM WITH NO VARIATIONS OCCURRING. POST-COMPOSITE TEST INDICATED NORMAL OPERATION OF THIS MEASUREMENT.							
SYSTEM EFFECT-DRIFT OPERATION. RECORDINGS INDICATED VARYING PULSE BEACON POWER.							
VEHICLE EFFECT-COMPOSITE DELAYED. POST-COMPOSITE TESTING COULD NOT DUPLICATE THE IRREGULARITY.							
CORRECTIVE ACTION-HIGH-IRREGULARITY COULD NOT BE REPEATED.							
GUIDANCE-SC MOD 111A-1/8	A2B-87-420/7PC-420-07-064	COMPOSITE-FACTORY	840	FACTORY	NO	GENERAL ELECTR	069627
PULSE BEACON	RF CONNECTOR	900827			NO	IC	
FAILURE MODE-OUT OF TOLERANCE. THE AMPLITUDE OF THE PULSE BEACON COULD NOT BE DETERMINED. A LOOSE RF CONNECTOR IN THE TEST EQUIPMENT HAD PREVENTED ACCURATE MEASUREMENT OF THE PULSE BEACON AMPLITUDE.							
SYSTEM EFFECT-OPERATION TOO LOW.							
VEHICLE EFFECT-COMPOSITE STABILIZED. POST-COMPOSITE TEST REQUIRED TO DEMONSTRATE PROPER OPERATION OF THE AMPLITUDE SYSTEM.							

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GENERAL DYNAMICS
COMPAIR DIVISION

16 JUN 1986

DIFFICULTIES REVIEW-GUIDANCE SYSTEM-AIRBORNE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE PART NUMBER	VEHICLE DATE DIF	SITE TIME DIF	PRI OTH	VENOR NAME VENOR PART NO
GUIDANCE-SE MOD 111A-1/A PULSE BEACON	PTA3084-71-403-00-11 PULSE BEACON	110F 3601722	11/87/FB -4000	NO	IC	YES GENERAL ELECTR 803263
EN AFTER CORRECTING LOGIC OF CONNECTOR IN THE AGE.						80-160
CORRECTIVE ACTION-RF CONNECTOR TIGHTENED.						
FAILURE MODE-OUT OF TOLERANCE: PULSE BEACON OPERATING BELOW ITS NORMAL FREQUENCY.						
SYSTEM EFFECT-OPERATION TOO LOW.						
VEHICLE EFFECT-COUNTDOWN DELAYED. 35 MINUTES HOLD.						
CORRECTIVE ACTION-ARMATED TRACK SYSTEM RECEIVER LOCAL OSCILLATOR TO MATCH AIRBORNE BEACON FREQUENCY. REPLACED PULS E BEACON AFTER TEST.						
GUIDANCE-SE MOD 111A-1/A PULSE BEACON	24-7-854/MPC-3C0-04-04A-04 PULSE BEACON	COMPOSITE-FAC/TY 5C 360219	FACTORY ON	YES GENERAL ELECTR NO IC	IC	80-164
FAILURE MODE-FAIL DURING OPERATION. PULSE BEACON UNLOCK CONDITION RESULTED IN NO DISCRETE SIGNALS BEING SENT TO FLIGHT CONTROL SYSTEM.						
SYSTEM EFFECT-IMPROPER DISCRETE SIGNALS.						
VEHICLE EFFECT-COUNTDOWN OR COMPOSITE RELATED OR RECORDED.						
CORRECTIVE ACTION-NOT KNOWN.						
GUIDANCE-SE MOD 111A-1/A DECODER	1PA-400-01-113 DECODER	110D 360262	14/87/FB NO	YES GENERAL ELECTR NO IC	IC	80-165
FAILURE MODE-ERRATIC OPERATION THE GUIDANCE DECODER, NO DISCRETE RELAY CIRCUIT, WAS TRANSMITTING INTERMITTENTLY ON THE GUIDANCE MONITOR/SAT PANEL.						
SYSTEM EFFECT-IMPROPER DISCRETE SIGNALS.						
VEHICLE EFFECT-NONE.						
CORRECTIVE ACTION-NONE. DECODER REPLACE.						
GUIDANCE-SE MOD 111A-1/A DECODER	4552-0-729-083-503-00-06 DECODER	COUNTDOWN 30	B-85/FB NO	YES GENERAL ELECTR NO IC	IC	80-166
FAILURE MODE-ERRATIC OPERATION. LOOP TEST FAULTS INDICATED ON LAB.						
SYSTEM EFFECT-INTERFERES DISCRETE SIGNALS.						

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GENERAL DYNAMICS
CONVAIR DIVISION

DIFFICULTIES REVIEW-GUIDANCE SYSTEM-AIRBORNE

SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE PART NUMBER	VEHICLE DATE DIF	BITE TIME DIF	PAL OTH	VENOR NAME PART NO
404 - SYSTEM						096276
GUIDANCE-SYSTEM MODE IIIA-A/B DECODER	AB141-0-107/PIC-4CD-01-07	COMPOSITE-FACTORY 420107	1070	FACTORY	YES GENERAL ELECTR NO IC 7641040461	
VEHICLE EFFECT-COUNTDOWN ABORTED.						
CORRECTIVE ACTION-DECODER REPLACED.						
FAILURE MODE-PREEMPTIVE OPERATION-DECODER RELAYS 1 AND 2 WERE ACTIVATED THROUGHOUT THE TEST. THE RELAYS WERE ACTIVATED WHENVER POWER WAS APPLIED TO THE DECODER-THIS WAS A MODEL IIIA TYPE UNIT.						
SYSTEM EFFECT-IMPROPER DISCRETE SIGNALS-DECODER OUTPUT COMMANDS APPEARED AT THROTTLE INPUT STIMULUS.						
VEHICLE EFFECT-COMPOSITE DELAYED. ADDITIONAL SYSTEM TEST REQUESTED.						
CORRECTIVE ACTION-THE DECODER WAS REJECTED AND REPLACED.						
GUIDANCE-SYSTEM MODE IIIA-A/B DECODER	AB1-018/PIC-4CD-01-08	COMPOSITE-B FACT 310007	860	14/ETR	YES GENERAL ELECTR NO IC	096276
VEHICLE EFFECT-COMPOSITE DELAYED. TEST DELAYED TO REPLACE DECODER AND PULSE BEACON.						
CORRECTIVE ACTION-REPLACE DECODER AND PULSE BEACON.						
GUIDANCE-SYSTEM MODE IIIA-A/B DECODER	ABD-0811/PIC-4CD-0E-07P	COMPOSITE-FACTORY 600006	770	FACTORY	NO GENERAL ELECTR NO IC	096276
VEHICLE EFFECT-COUNTDOWN OR COMPOSITE DELAYED OR RE-SCHEDULED. POST-COMPOSITE TESTING WAS REQUIRED.						
CORRECTIVE ACTION-REGISTERS REPAIRED.						
GUIDANCE-SYSTEM MODE IIIA-A/B DECODER	L880-441948-5/PIC-4CD-0E-41	COMPOSITE-J FACT 400411	450	14/ETR	YES GENERAL ELECTR NO IC 90000000002	
FAILURE MODE-STATISTIC OPERATION. DURING INITIALIZATION OF DECODER, IT REFERENCED TO TWO DIFFERENT ADDRESSSES WHICH IT COULD NAME AS APPROXIMATELY ONE.						

GENERAL DYNAMICS
CONVAIR DIVISION

16 JUN 1964

DIFFICULTIES REVIEW-GUIDANCE SYSTEM-A1INCRINE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPLEMENT NAME	DIP DATA SOURCE PART NUMBER	VEHICLE DATE DIP	SITE TIME DIP	PR1 OTW	VENDOR NAME PART NO
GUIDANCE-SG MODE 111A-A/P DECODER	LRC0-415962-2/P4-4CO-08-45 DECODER	COMPOSITE-FACTORY 900211	45D 000211	14/FTR NO	TEB GENERAL ELECTRIC NO IC	804442
SYSTEM EFFECT-IMPROPER DISCRETE SIGNALS. VEHICLE EFFECT-NONE.	CORRECTIVE ACTION-ACTION-DECODER WAS REPLACED.	FALURE MODE-ERRATIC OPERATION. TELEMETRY DATA INDICATED THAT AN IMPROPER STAGING DISCRETE SIGNAL OUTPUT OCCURRED FROM DECODER DURING PROGRAMMING OF THE VEHICLE CUTOFF DISCRETE. IMPROPER STAGING SIGNAL COULD NOT BE VERIFIED.	SYSTEM EFFECT-IMPROPER DISCRETE SIGNALS. VEHICLE EFFECT-NONE.	CORRECTIVE ACTION-DECODER WAS REPLACED TO ASSURE SYSTEM CONFIDENCE.	FALURE MODE-FAIL TO OPERATE AT PRESCRIBED TIME. RELAY NO.1 ACTIVATION (STAGING LOCKOUT AND STAGING) WAS NOT OBSERVED DURING THE TEST. RECORDER SHOWED THAT NO GUIDANCE DISCRETE MEASURES WERE SENT FOR ACTIVATION. THE ATE TAPE READER HEAD APPARENTLY STUCK AS THIS DISCREPANCY COULD NOT BE DUPLICATED.	SYSTEM EFFECT-OPERATION DOES NOT START. VEHICLE EFFECT-COMPOSITE REQUIRED.
GUIDANCE-SG MODE 111A-A/P DECODER	AEC0-01945TC-4CO-01-55 DECODER	COMPOSITE-FACTORY 900217	35D 000217	FACTORY NO NO IC	TEB GENERAL ELECTRIC NO IC	807259
SYSTEM EFFECT-AT VARIOUS FREQUENCIES. VEHICLE EFFECT-NONE.	CORRECTIVE ACTION-HDR. REURN OF COMPOSITE RATEIFACTORY.	F.1 LINE MODE-OUT OF SPECIFICATION. TELEMETEDED DATA FROM SUBSTANCE DECODER WERE NOisy WITH LARGE MAGNITUDE OSCILLATIONS AT VARIOUS FREQUENCIES.	SYSTEM EFFECT-IMPROPER ANALOG SIGNALS. VEHICLE EFFECT-NONE.	CORRECTIVE ACTION-DECODER WAS RECDRED AND TESTED IN GUIDANCE LABORATORY. COULD NOT DETERMINE PROBLEM. CANISTER REIN STALLED AND PROBLEM CONTINUED. INVESTIGATE FURTHER.	804441	PAGE 8070

GENERAL AVIONICS
CONTINENTAL DIVISION

16 JUN 1986

DIFFICULTIES REVISIT-GUIDANCE SYSTEM-AIRBORNE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	DIF DATA SOURCE PART NUMBER	VEHICLE DATE DIF	SITE TIME DIF	PRI DIF OTH	VENDOR NAME VENDOR PART NO
GUIDANCE-SC MOD 111A-A/B DECODER	Z-17-84/FC-JCO-927-05 DECODER	COMPOSITE-FACTORY 5C/ETR 5900111	FC/ETR NO IC	YES GENERAL ELECTRIC 90718		
FAILURE MODE-OUT OF TOLERANCE. PITCH AND YAW NEGATIVE PHASE AND ONE-HALF FULL PHASE WERE OUT OF TOLERANCE.						
SYSTEM EFFECT-IMPROPER ANALOG SIGNALS.						
VEHICLE EFFECT-COMPONENT DELAYED.						
CORRECTIVE ACTION-DECODER WAS ADJUSTED FOR PROPER PITCH AND YAW OUTPUT.						
GUIDANCE-SC MOD 111A-A/B DECODER	FTAB18/P1-4-CO-01-18 DECODER	COMPOSITE-3 FACT 5900111	110D -3100	TE3 GENERAL ELECTR 905263		
FAILURE MODE-OUT OF SPECIFICATION. AN UNEXPLAINED YAW COMMAND WAS RECEIVED AT THE AUTOPILOT RECORDERS IN THE BLOCKH CASE DURING TEST 10 OF THE LOOP TEST.						
SYSTEM EFFECT-IMPROPER ANALOG SIGNALS. AN IMPROPER AND UNEXPLAINED YAW STEERING COMMAND WAS APPARENTLY GENERATED BY THE GUIDANCE SYSTEM. LOOP TEST 10 WAS REPORTED NO-GO.						
VEHICLE EFFECT-COMPONENT DELAYED. A 24 MINUTE HOLD WAS CALLED TO INVESTIGATE PROBLEM AND RE-RUN LOOP TEST.						
CORRECTIVE ACTION-LOOP TEST 10 WAS RE-RUN DURING HOLD WITH SATISFACTORY RESULTS. AFTER THE PACT TEST, DECODER 5900111 WAS REMOVED AND TESTED IN THE GUIDANCE LAB. RESULTS WERE SATISFACTORY. THE DECODER WAS REPLACED TO ASSURE SYSTEM COMPIDENCE.						
GUIDANCE-SC MOD 111A-A/B ANTENNA AND WAVEGUIDE	ANB3-0003-1000/7C-CO-04-0004-002 WAVEGUIDE	COMPOSITE-FACTORY 1300 5900107	FACTORY NO IC	TE3 GENERAL ELECTR 906348		
FAILURE MODE-OUT OF TOLERANCE. THE RATE BEACON TRANSMITTED POWER WAS RECORDED AS 0.890 WATTS WHICH WAS APPROXIMATELY 2.4 dB HIGHER THAN THE EXPECTED 0.490 WATTS. A 2 dB ERROR HAD BEEN MADE IN CALIBRATION OF THE RF WAVEGUIDE.						
SYSTEM EFFECT-OPERATION TOO HIGH. RATE BEACON POWER OUTPUT WAS RECORDED AS 0.930 WATTS WHEN 0.490 WATTS WAS EXPECTED.						
D.						
VEHICLE EFFECT-COMPONENT RE-SCHEDULED. POST-COMPONENT TESTING REQUIRED.						
CORRECTIVE ACTION-THE UNTESTED 300 MHz RECALIBRATED.						
GUIDANCE-SC MOD 111A-A/B ANTENNA AND WAVEGUIDE	FTAB003/P1-4-CO-01-11 ANTENNA	COMPOSITE-3 FACT 5900106	110 NO IC	TE3 GENERAL ELECTR 906349		
FAILURE MODE-ERRATIC OPERATION. SECOND GUIDANCE STATION COULD NOT OBTAIN A SATINACTATOR PULSE LOCK DUE TO VEHICULAR ELEVATOR, AND PERSONNEL movement IN THE TEST AREA.						
SYSTEM EFFECT-ERRATIC OPERATION						

16 JUN 1984

GENERAL MECHANICS
CONTAIN DIVISION

DIFFICULTIES REVIEW-GUIDANCE SYSTEM-AIRBORNE

SYSTEM SUB-SYSTEM	TEST/REPORT NUMBER FAILED COMPONENT NAME	BIP DATA SOURCE PART NUMBER	VEHICLE DATE	SITE DFT TIME	PRI DFT OTW	VENOR NAME VENOR PART NO
GUIDANCE-4C MOD 111A-46	84113-CI-PWD-03-11 COMPUTER	COMPOSITE-FWD/PWR	11E 0100331	576C/PWR TEL NO		

VEHICLE EFFECT-COMPOSITE DELAYED. 5 MINUTES HOLD.

CONNECTIVE ACTIVATION-VEHICULAR: ELEVATOR, AND PERSONNEL POSITIONING MODE HALTED.

FAILURE MODE-FWD REPORTS OPERATION. GUIDANCE FAIL LIGHT ILLUMINATED @ MILE 1 SEC. AFTER COUNTDOWN START.

SYSTEM EFFECT-IMPROPER DISCRETE SIGNALS. INABILITY TO SELECT TARGETS IN ROUTE SETTING GUIDANCE FAIL INDICATIONS.

VEHICLE EFFECT-COUNTDOWN ALARMED.

CONNECTIVE ACTIVATION-VEHICULAR.

591438

597363

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